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DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS OF WEAPON SYSTEMS. (MAINTENANCE METRICS AND WEIGHTINGS).

Revision A.

BY

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A-10A	C-141A	Operations Parameters	Maintenance Requirements
B-52G	T-38A	Environmental Parameters	Avionics Equipment
FB-111A	LCOM	Maintenance Parameters	Multiple Regression
F-15A	METRICS	Hardware Parameters	Task Probability
KC-135A	Engines	Aircraft Parameters	

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report describes the method and results of the sixth and seventh of eight tasks to "Develop Maintenance METRICS To Forecast Resource Demands of Weapon Systems." The purpose of this task was to analyze the maintenance action demand impact estimating relationships identified in Task 5 and develop multiple regression Maintenance Metric Estimating Models for each aircraft subsystem investigated during the study.

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The significant results of the maintenance metrics and weightings task were:

a) development of generic maintenance action demand estimating models for the selected equipment of each aircraft subsystem studied. Candidate maintenance impact estimating relationships (MIER's) selected in Task 5 were transformed to "best fit" multiple regression equations explaining maintenance action demand as a function of equipment parameters, as a function of operational parameters, and as a function of environmental parameter's (a separate equation for each type parameter).

b) development of composite maintenance action demand estimating models for the selected equipment items of each subsystem studied. These models are the "best fit" multiple regression equations resulting from step-wise optimization of composite data sets derived from the surviving equipment, operational, and environmental parameters contained in the generic models mentioned in (a).

c) development of a procedure for transforming maintenance rates predicted by the composite maintenance action demand estimating models to expected LCOM failure clock values for each aircraft subsystem. This transformation procedure factors the total expected subsystem level maintenance demand from the selected equipment item maintenance demand predicted by the multiple regression models of (b) above.

d) development of LCOM network maintenance task probability estimating models by transforming action taken data gathered during Task 4 for each study subsystem into appropriate expected value functions.

This document is the third of a series of five Boeing Technical Reports generating from this study, namely:

D194-10089-1	Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Phase I - Analysis and Evaluation)
D194-10089-2	Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Parameter Prioritization)
D194-10089-3	Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Maintenance Metrics and Weightings)
	Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (Analysis and Results of Metrics and Weightings)
	Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems (METRICS Final Report)

SUMMARY

This report describes the results of the sixth and seventh tasks of an eight task study. The total effort is intended to develop more accurate metrics and weightings to be incorporated into the Air Force method (Logistics Composite Model (LCOM)) for determining manpower and other resource requirements for operational and developing weapon systems.

PROBLEM

The increased concern with the manpower required to support weapon systems currently in operation, as well as those in development has created the need for more accurate methods of projecting maintenance requirements. Meeting this need requires the development of realistic measures of maintenance rates for all of the diverse hardware that makes up a weapon system. In addition, the impact of operations and environmental conditions needs to be identified to insure the sensitivity of the maintenance metrics that are developed.

To date, the manpower and other resource requirements essential to the Operations and Support of a weapon system have been determined using the traditional "flying hours" and "sortie rate" measures. The deficiencies of these traditional measures are well known and such measures frequently are found to be totally irrelevant; for example, many avionics items operate or are cycled greatly in excess of the related flying hours. These traditional measures are also insensitive to variations in operations and environmental conditions. The present difficulties then lie in the fact that the currently used metrics do not consider the inherent differences between the individual subsystems of a weapon system and are relatively insensitive to operational and environmental conditions.

Therefore, the problem for this portion of the study was to develop more precise Maintenance Metrics and Weightings models with which to estimate new aircraft subsystem maintenance action demands and maintenance task frequencies. These estimates can then be transformed into the Failure Clock Values and Task Selection Probabilities required to drive the Maintenance Networks of LCOM simulations used to predict and evaluate the needs of new emerging weapon systems and basing concepts.

APPROACH

The approach taken for this portion of the study effort was to use the source data acquired and processed in Task IV (Identification and Integration of Data Sources) and Task V (Analyzing and Prioritizing Parameters) to develop statistical models for the estimation and prediction of the maintenance action demand (MAD) rates and maintenance task selection probabilities of the equipment items selected for study.

Stepwise regression analysis was applied to significant parameter data identified in Task V and MAD estimation multiple regression equations developed for each study equipment subsystem. A factoring procedure was used to estimate total subsystem MAD from the MAD estimates for the critical component equipments which comprised the data base upon which the regression estimates were based. These factors were based on the ratios of actual historic subsystem level MAD to actual historic equipment level MAD. The procedure for transforming the estimated subsystem MAD to Failure Clock values for input to LCOM simulations was calculated as an expected sorties-to-failure value from estimated maintenance action demands per subsystem per year found through the preceding approach and the expected sorties per year from the particular LCOM scenario being used.

Maintenance task selection probability estimation procedure was an averaging method using historic task frequency data from the data base. This involves the computation of mean, median, and variance of the frequency of performance for each task for each study subsystem. The results of these computations can then be used to estimate the LCOM maintenance network task selection probabilities for the simulation of new weapon systems and basing concepts.

RESULTS

Application of the foregoing approach to the data base developed in Tasks IV and V resulted in the derivation of generic and composite maintenance action demand estimation regression models and mean maintenance task selection probability models for each aircraft subsystem studied. Three generic models were developed for each subsystem. These were:

Estimated MAD = F (Equipment Characteristic Parameters)
Estimated MAD = F (Operational Characteristic Parameters)
Estimated MAD = F (Environmental Characteristic Parameters)

The models in the above form facilitate estimation of expected maintenance action demand when only equipment data, only operational data, or only environmental data is available. The composite model which was developed for each subsystem was in the following form:

Estimated MAD - F (Equip., Opnl, & Environ. Characteristic Parameters).

These models are more accurate than the generic models and should be used to estimate MAD whenever the appropriate data can be obtained.

Mean, median, and variance of task selection probability values were computed for each study subsystem and can be used to estimate these probabilities for emerging weapon systems.

PREFACE

This report was prepared by the Boeing Aerospace Company Product Support/Experience Analysis Center (PS/EAC), Seattle, Washington, under USAF Contract F33615-77-C-0075. This contract was initiated under Exploratory Development Area PMS 77-43 (1124). Work was accomplished under the direction of the Advanced Systems Division of the Air Force Human Resources Laboratory, Air Force Systems Command with Mr. Frank Maher as the project engineer.

Data emanating from this contract, "Development of Maintenance METRICS To Forecast Resource Demands of Weapon Systems," are reported in a series of five Technical Reports. Phase I of the study provided the identification of aircraft avionic and engine maintenance resource demands which were used to develop more accurate metrics and weightings for incorporation into the Air Force Logistics Composite Model (LCOM). Phase II of the study provides metrics and weightings for the rest of the subsystems making up a typical Air Force aircraft.

Experience Analysis Center program technical leader was George R. Herrold. Principal program analysts were Donald K. Hindes, Gary A. Walker, and David H. Wilson. Boeing's contract report number is D194-10089-3. This approved technical report (TR) includes work performed from 1 November 1978 through 1 October 1979.

The Boeing Aerospace Company wishes to express their appreciation for the technical assistance and data provided by: a) AFLC Headquarters, Aeronautical Systems Division, and Air Force Maintenance and Supply Management Engineering Team, Wright-Patterson AFB, Ohio, b) Air Weather Service (MAC) Environmental Technical Applications Center and Military Airlift Command Headquarters, Scott AFB, Illinois, c) Air Force Europe Headquarters, Ramstein AB, Germany, d) Air Training Command Headquarters, Randolph AFB, Texas, e) Strategic Air Command Headquarters, Offutt AFB, Nebraska, f) Tactical Air Command Headquarters, Langley AFB, Virginia, g) 12th FTW, Randolph AFB, Texas, h) 36th TFW, Bitburg AB, Germany, i) 58th TTW, Luke AFB, Arizona, j) 60th MAW, Travis AFB, California, k) 92nd BMW, Fairchild AFB, Washington, l) 35th TFW, Myrtle Beach AFB, South Carolina, m) 355th TFW, Davis-Monthan AFB, Arizona, and n) 380th BMW, Plattsburgh AFB, New York.

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I - INTRODUCTION

1. PURPOSE AND SCOPE

This report is the third of five reports to be completed under the Maintenance Metrics study. It describes the work accomplished during Phases I and II for Tasks VI and VII as displayed in Figure 1 and enumerated below. Tasks I through V were completed previously and documented in the first two reports in this series, D194-10089-1 and D194-10089-2. Task VIII, Analysis and Results of Metrics and Weightings, will be documented in the D194-10089-4 technical report in this series.

The significant results obtained in this task form the basis for accomplishment of Task VIII and also provide source data for related future research.

The following is a brief overview of the eight tasks developed for this study as shown in Figure 1.

PHASE I - AVIONICS AND ENGINES SUBSYSTEMS

TASK I — Identify, Obtain, and Review Related Publications
- review related studies and research dealing with maintenance rates and causes.

TASK II — Select Equipment
- develop matrices of equipment by aircraft type in order to select specific hardware for avionics and engines subsystems.

TASK III — Identify Parameters
- identify maintenance, hardware, operational, environmental, and aircraft general parameters which would have an impact on maintenance for the subject subsystems.

TASK IV — Identify and Integrate Data Sources
- identify, assemble, correlate, and integrate the data base on the equipment selected in Task II for the related parameters being considered in Task III.

TASK V — Analyzing and Prioritizing Parameters
- prioritize the collected data to define and test relationships between the study parameters and maintenance demand rates.

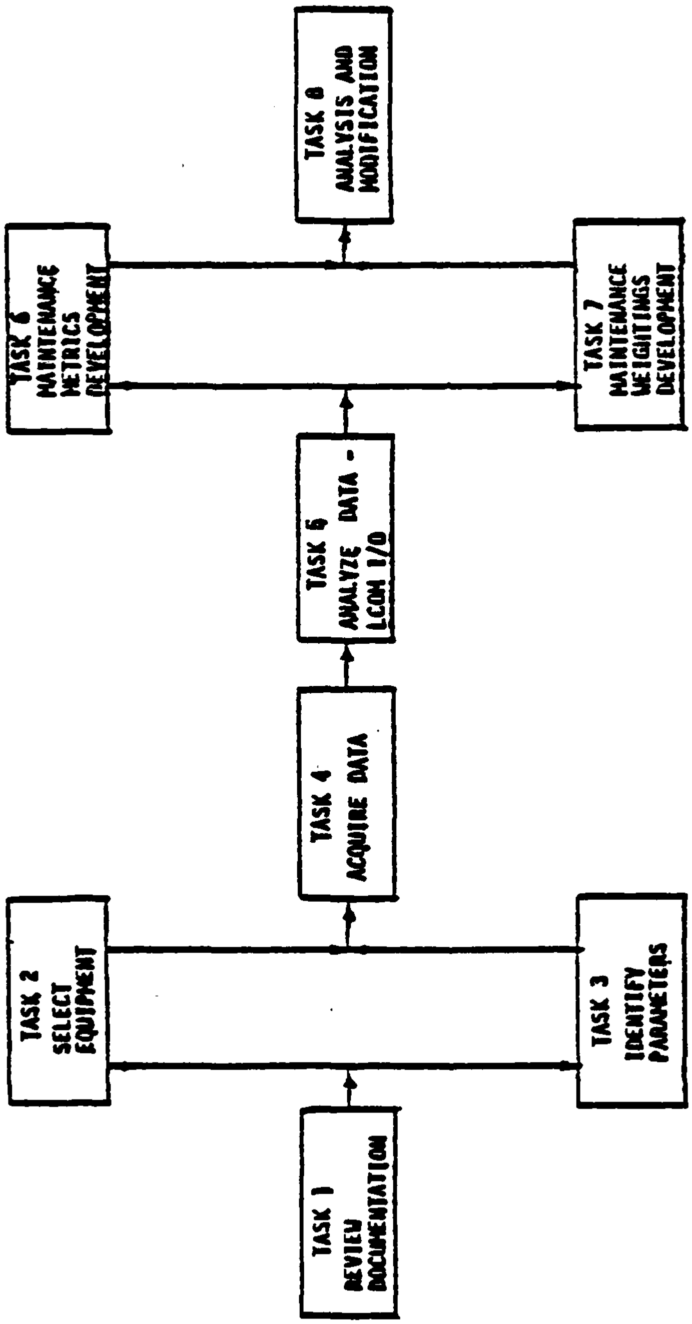

FIGURE 1 STUDY TASKS FLOW DIAGRAM

TASK VI	Maintenance Metrics Development - develop metrics quantifying maintenance demand rates which are computable with LCOM models.
TASK VII	Maintenance Weightings Development - develop weightings, quantifying identified impacts upon maintenance demand rates.
TASK VIII	Analysis and Modification - analyze LCOM model outputs with current and the newly developed metrics and weightings.

2. BACKGROUND

To date, the manpower and other resource requirements essential to the Operations and Support (O&S) of a weapon system have been determined using the traditional "flying hours" and "sortie rate" measures. The deficiencies of these traditional measures are well known and such measures frequently are found to be totally irrelevant (e.g., maintenance on a gun subsystem is generated by factors like the number of rounds fired, and is not affected by the number of flying hours or sorties). These traditional measures are also insensitive to variations in operations and environmental conditions (for example, many avionics equipments may operate or are cycled on the ground greatly in excess of related flying hours or number of sorties). The present difficulties then lie in the fact that the currently used metrics do not consider the inherent differences between the individual subsystems of a weapon system and are relatively insensitive to operational and environmental conditions.

The objective of this portion of this research study is to determine the hardware, operations, and environmental parameters which are necessary and sufficient to identify the maintenance demands for a weapon system, and relate these in more accurate metrics and weightings to be incorporated into the Air Force Method (Logistics Composite Model (LCOM)) for determining manpower and other resource requirements for operational and developing weapon systems. This simulation technology has been documented in References 1 through 9.

3. SUMMARY

The approach taken for this portion of the study effort was to utilize the source data identified in Task V as inputs to develop statistical models for the estimation and prediction of the maintenance action demands of the equipment items selected for study. The data-case values acquired for the lists of hardware, operational, and environmental parameters which were found in Task V (Analyzing and Prioritizing Parameters) to be directly and strongly related to the maintenance demand rates of the selected equipment items were reconstituted into input data sets for the modeling process. This process resulted in one hardware, one operational, and one environmental data

set being associated with each aircraft subsystem studied. Step-wise regression analysis was then applied to each data set for each subsystem's equipment to obtain best fit multiple regression equations explaining maintenance action demand as a function of equipment characteristic parameters, as a function of operational characteristic parameters, and as a function of environmental characteristic parameters. These separate equations for each type of parameter constitute "generic" Maintenance Metrics and Weightings Models which facilitate the estimation of expected maintenance action demand for any aircraft subsystem when only equipment characteristics, only operational characteristics, or only environmental characteristics are known.

Next, "composite" Maintenance Metrics and Weightings Models were developed from the generic models for each aircraft subsystem. The following approach was utilized. The component parameters in the respective generic equipment, operational, and environmental regression equations for each subsystem were reconstituted into a composite data set corresponding to each subsystem. Step-wise regression was applied to these composite data sets. This process resulted in a "best fit" estimating equation to explain the expected maintenance action demand of each aircraft subsystem in terms of the equipment, operational, and environmental parameters selected from the corresponding composite data set by the step-wise regression process. These composite models provide a more accurate statistical estimation of the maintenance demand for a given subsystem than any of the three types of generic models used singly. The composite models should therefore be used to predict maintenance action rates whenever the appropriate equipment, operational, and environmental data can be obtained.

The generic and composite Maintenance Metrics and Weightings regression equations developed through the foregoing processes were based on a sampling of the critical equipment items in each aircraft subsystem. Therefore, the next step in the LCOM failure clock estimation process was the development of a computational procedure for deriving total subsystem maintenance action demand rates from the partial rates computed from the regression equations. The procedure developed for this transformation utilizes historical maintenance action demand data from a known situation in which the subsystem (or a similar subsystem) was used. This known data is used to derive a total subsystem factor which can be applied to the partial estimated maintenance action demand rates as calculated from the regression model for the unknown situation for which the LCOM failure clock value is required. For a specific problem, the total subsystem factor is calculated as the ratio of some actual historic maintenance action demand (MAD) at the subsystem level to the actual historic MAD of the equipment items within that subsystem on which the MAD estimating regression model is based. This ratio is then used to factor the partial MAD, as estimated from the appropriate regression equation, to a total subsystem estimated MAD. The last step of the procedure is to calculate an expected "sorties-to-failure" value from the estimated maintenance action demands per year as found above, and the expected sorties per year from the particular LCOM

input scenario being used. This sorties-to-failure value is the desired failure clock value to be used in the LCOM simulation of the unknown situation being investigated.

The last subtask for the metrics and weightings development effort was the development of an estimation procedure for LCOM maintenance network task selection probabilities. The approach taken for this task was a straight-forward averaging method using historic task frequency data. Specific maintenance task frequencies were extracted from the study data base (Refer to Task IV, D194-10089-1) for each data case (aircraft/base combination) for each aircraft subsystem. The mean, median, and range of the frequency of performance for each task for each subsystem was then computed. The results of this analysis facilitate the estimation of the LCOM maintenance network task selection probabilities for the simulation of new weapon systems and basing concepts.

II - DEVELOPMENT OF MAINTENANCE METRICS AND WEIGHTINGS MODELS - TASKS VI AND VII

1. INTRODUCTION

Tasks VI and VII of the study were the development of new comprehensive prediction and estimation models for maintenance action and task rates from the field experience and analytical data base accumulated by the first five study tasks. The objective of this model development effort is the improvement of the estimation techniques currently used to predict the maintenance metrics of emerging weapon systems and/or new basing concepts. Specific intended use of the products of Tasks VI and VII is the improvement of input values for LCOM maintenance network failure clocks and task selection probabilities when simulating new systems and situations.

The task results reported herein cover both Phase I (propulsion and avionics) and Phase II (other aircraft systems) investigations and model development.

The general Task VI and VII approach divided the effort into eight subtasks as shown in Figure 2. The preparation and execution of these subtasks are discussed in the following paragraphs.

2. DEVELOPMENT OF GENERIC MAINTENANCE ACTION DEMAND ESTIMATING MODELS

The first step in the process of development of comprehensive Maintenance Metrics and Weightings Models for aircraft systems was to explore the feasibility of generic estimation models whereby the maintenance action demand for a given subsystem could be predicted from just equipment characteristics, just operational characteristics, or just environmental characteristics. To this end, generic model development data sets were assembled for the effort. These data sets were extracted from the data base acquired through the processes of the first four study tasks (Refer to document D194-10089-3), and are composed of the equipment, operational, and environmental parameters which were found to be significantly correlated with maintenance action demand during the course of Task V (Refer to document D194-10089-2, Parameter Prioritization). This effort comprised subtasks (1) and (2) as shown on Figure 2. Three generic significant-parameter data sets were assembled for each of the thirty aircraft subsystem equipments investigated for this study contract. These data sets are included in this document as Appendix A. Tables A-1 through A-30 present Maintenance Action Demand (MAD) data versus significant Equipment Characteristic Parameter data. Tables A-31 through A-60 present MAD data versus significant Operational Characteristic Parameter data. Tables A-61 through A-90 present MAD data versus significant Environmental Characteristic Parameter data.

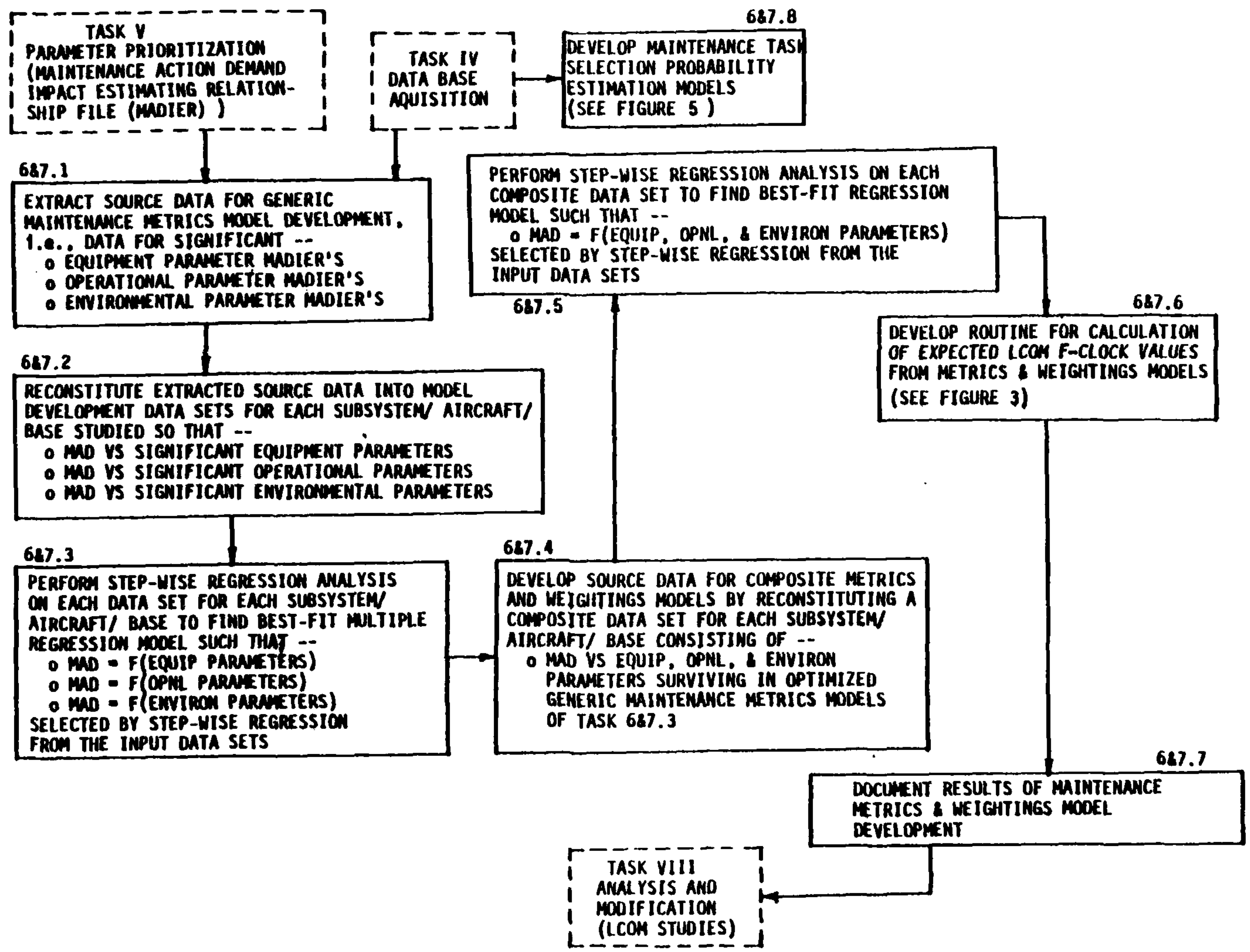

FIGURE 2 TASKS VI AND VII PROCESS FLOW

Step-wise regression analysis was then applied to each of the significant-parameter data sets to find the "best fit" multiple regression equation to explain maintenance action demand in terms of some or all of the parameters included in each of the three data sets corresponding to each of the thirty aircraft subsystems analyzed. This effort was subtask (3) as shown on Figure 2 and resulted in the derivation of ninety regression equations for the estimation of --

- MAD as a function of Equipment Characteristic Parameters,
- MAD as a function of Operational Characteristic Parameters,
- MAD as a function of Environmental Characteristic Parameters,

the ninety equations comprise one set of three equations for each of the thirty subsystems. An interactive computer technique was utilized to develop the above equations. The program package used was Boeing Computer Services' "Conversational Terminal System" statistical program package (STAT PACK), STEPWISE REGRESSION subroutine (Reference 10). This program allows the analyst to experiment freely with the choice of independent variables to be included in the regression equation and thus find an optimum fit of the data in terms of multiple correlation coefficient, standard error of the estimate, and the T-statistics of the included variables. Table 1 lists each subsystem's MAD estimating equation in terms of Equipment Parameters. Table 2 lists the MAD estimating equations in terms of Operational Parameters. Table 3 lists the MAD estimating equations in terms of Environmental Parameters. Table 4 is a key which defines the Parameter I.D. Numbers included in the equations of Table 1 through 3. Appendix B presents each of the generic Maintenance Metrics Models as listed in Tables 1 through 3 along with corresponding multiple correlation coefficients, adjusted standard errors, and T-statistics of the included variables.

3. DEVELOPMENT OF COMPOSITE MAINTENANCE ACTION DEMAND ESTIMATING MODELS

The next step in the development of comprehensive Maintenance Metrics and Weightings Models for aircraft was the derivation of MAD estimating models which combine the maintenance impacts of equipment, operational, and environmental characteristics in a single model for each subsystem studied. To this end, composite model development data sets were assembled for each aircraft subsystem. The equipment, operational, and environmental parameters selected for inclusion in each data set were those parameters which were included in the generic models for each subsystem. Assembling the composite model development source data comprised subtask (4) as shown in Figure 2. Appendix C, Tables C-1 through C-30 contain these data sets.

The STAT PACK Stepwise Regression routine was then applied to each of these composite data sets to find the "best fit" MAD estimating multiple regression model from among the candidate independent variables (equipment, operational, and environmental parameters) included in the set corresponding to each aircraft subsystem studied. This effort was

TABLE 1 EQUIPMENT CHARACTERISTICS MAINTENANCE METRICS MODELS

MAD PER UE PER YEAR = F(EQUIPMENT PARAMETERS)

PROPULSION SYSTEM MAD	= -44.142+0.421(P02)+0.192(P04)
FLIGHT INDICATORS MAD	= -0.557+0.720(A03)
AIR DATA SYSTEM MAD	= +8.271+0.155(A03)-1.680(A07)-0.298(A16)-0.054(A19)
HSI SET MAD	= +4.643-1.076(A07)-0.296(A16)+0.0065(A18)
AUTOPILOT MAD	= +39.196-1.163(A03)+0.032(A04)-2.885(A08) -3.698(A13)-0.262(A19)
UHF COMM SET MAD	= -3.131+3.418(A03)-0.081(A04)-1.562(A05)
IFF TRANSPONDER MAD	= +1.147+0.377(A02)-0.0185(A09)
INS SET MAD	= -0.034+0.346(A05)
ILS SET MAD	= -0.456+0.200(A02)+0.011(A06)+0.043(A15)
TACAN SET MAD	= +0.366+0.174(A03)-0.159(A18)
A-H REF SET MAD	= +6.371-1.022(A08)-0.074(A12)
RADAR SET MAD	= -139.80-5.896(A02)+0.211(A12)+1.837(A19)

TABLE 1 CONTINUED

REST OF AIRCRAFT SYSTEMS	
RADOME MAD	= -0.16+0.2988(F08)
WINDSHIELD MAD	= +73.211+0.0069(F03)-0.7321(F07)
WINGS MAD	= -2.8658+0.0263(F04)
SEATS MAD	= -0.4209+0.008(F11)
MAIN LANDING GEAR MAD	= -0.834+0.002(F03)+1.126(F06)+ +4.505(F13)-0.021(F22)
BRAKES MAD	= +6.6688-0.0598(F09)
STABILATOR MAD	= -4.7109+0.0032(F03)+0.9834(F06)
RUDDER MAD	= None
FLAPS MAD	= -10.1007+0.0099(F03)-0.0082(F04) +2.2542(F06)-0.2792(F08)+2.6026(F10)
WATER SEPARATOR MAD	= -0.0517+0.1196(F08)
GENERATOR ASSY MAD	= +0.1755 +1.0992(F13)

TABLE 1 CONTINUED

ANTI-COLLISION LIGHTS MAD	= +1.1342+0.2321(F03)-0.4572(F06)
LANDING/TAXI LIGHTS MAD	= -1.4892+0.2112(F03)+32.8196(F13)
HYDRAULIC PUMPS MAD	= +0.8148+0.0009(F04)-0.0630(F11)
FUEL TANKS MAD	= -1.7168+0.6864(F16)
OXYGEN REGULATOR MAD	= +1.4902-0.4519(F03)
LOX CONVERTER MAD	= -0.336+0.1324(F08)
ENGINE FIRE DETECTION MAD	= +0.0686-0.0322(F04)+0.0093(F08)

TABLE 2 OPERATIONAL CHARACTERISTICS MAINTENANCE METRICS MODELS

MAD PER UE PER YEAR = F(OPERATIONAL PARAMETERS)

PROPULSION SYSTEM MAD	= -73.317+0.034(Ø10)-1.013(Ø14)+0.303(Ø27) +11.756(Ø32)+25.771(Ø33)
FLIGHT INDICATORS MAD	= -17.267+0.003(Ø11)+0.002(Ø13)+0.0086(Ø17) +0.020(Ø25)
AIR DATA SYSTEM MAD	= +4.628-0.0017(Ø08)+0.0013(Ø13)-0.312(Ø23)
HSI SET MAD	= +1.378+0.036(Ø14)-0.615(Ø33)
AUTOPILOT MAD	= +7.294-0.0015(Ø08)+0.388(Ø23)
UHF COMM SET MAD	= +10.022-0.002(Ø08)+0.910(Ø13)
IFF TRANSPONDER MAD	= +14.439+0.260(Ø05)-0.017(Ø09)-0.119(Ø12)-0.706(Ø30)
INS SET MAD	= -10.681+0.004(Ø13)
ILS SET MAD	= -0.035+0.0024(Ø15)-0.0044(Ø27)-0.0025(Ø32)
TACAN SET MAD	= -2.056+0.0074(Ø15)+0.425(Ø32)
A-H REF SET MAD	= -13.778+0.112(Ø05)
RADAR SET MAD	= +12.669+0.006(Ø10)-0.0045(Ø11)

TABLE 2 CONTINUED

REST OF AIRCRAFT SYSTEMS	
RADOME MAD	= -10.099+0.104(Ø05)-0.051(Ø12)+0.0062(Ø21) +0.0046(Ø25)
WINDSHIELDS MAD	= +2.6135-0.0056(Ø15)+0.0400(Ø21)-0.0463(Ø27)
WINGS MAD	= +94.2723+0.2681(Ø02)-0.0113(Ø08)+0.0078(Ø10) -0.4550(Ø12)-0.1245(Ø14)-0.0382(Ø17)+0.1199(Ø21)
SEATS MAD	= -2.0778+0.0005(Ø08)+0.0129(Ø12)+0.0032(Ø17) +0.0168(Ø21)-0.0043(Ø25)-0.0307(Ø27)
MAIN LANDING GEAR MAD	= -5.1619+0.0021(Ø10)+2.2407(Ø14)-0.0211(Ø15) +0.0343(Ø16)+0.0218(Ø19)+0.0368(Ø21)-4.6455(Ø32)
BRAKES MAD	= -12.007+2.1964(Ø03)+0.077(Ø05)+0.0059(Ø09) +0.0046(Ø16)-0.0023(Ø20)+0.0138(Ø26)-0.001(Ø31)
STABILATOR MAD	= +1.5652+0.0361(Ø21)-0.0447(Ø27)
RUDDER MAD	= -0.4337+0.0039(Ø15)-0.0015(Ø17)-0.6222(Ø34)
FLAPS MAD	= +13.1908-0.0313(Ø15)+0.1853(Ø21)-0.2099(Ø27)
WATER SEPARATOR MAD	None
GENERATOR ASSY MAD	= -1.7639+0.023(Ø07)+0.0817(Ø32)

TABLE 2 CONTINUED

ANTI-COLLISION LIGHTS MAD	= +9.3845-0.0022(Ø11)+0.0079(Ø21)-0.0061(Ø25) -0.0201(Ø27)
LANDING/TAXI LIGHTS MAD	= +3.3516-0.0071(Ø15)±0.0522(Ø21)-0597(Ø27)
HYDRAULIC PUMPS MAD	= -1.7478+0.0167(Ø05)+0.0001(Ø06)-0.0002(Ø08) +0.0021(Ø14)-0.1828(Ø32)+0.1715(Ø33)
FUEL TANKS MAD	= +7.8102+0.0014(Ø10)-0.0012(Ø11)-0.0172(Ø15) +0.0145(Ø17)+0.0311(Ø21)-0.0646(Ø27)
OXYGEN REGULATOR MAD	= -0.0196+0.3685(Ø30)
LOX CONVERTER MAD	= -2.041+0.0147(Ø05)-0.0001(Ø06)+0.282(Ø33)
ENGINE FIRE DETECTION MAD	= None

TABLE 3 ENVIRONMENTAL CHARACTERISTICS MAINTENANCE METRICS MODELS

MAD PER UE PER YEAR = F(ENVIRONMENTAL PARAMETERS)

PROPULSION SYSTEM MAD	= +99.239-1.883(E13)
FLIGHT INDICATORS MAD	= -7.598-0.008(E03)+0.104(E19)
AIR DATA SYSTEM MAD	= -7.571-0.132(E13)+0.146(E19)-0.071(E20)
HSI SET MAD	= -5.866-0.074(E13)+0.039(E18)+0.097(E20)
AUTOPILOT MAD	= +12.681+0.474(E08)-0.057(E18)
UHF COMM SET MAD	= -2.359-0.258(E13)-0.089(E18)+0.118(E19) -0.039(E27)+7.457(E30)
IFF TRANSPONDER MAD	= +2.930+0.012(E06)-0.0535(E09)+0.0042(E31)
INS SET MAD	= -2.203+2.447(E21)
ILS SET MAD	= -0.031+0.025(E20)
TACAN SET MAD	= +0.875+0.007(E03)-0.022(E09) -0.0596(E13)+0.163(E20)
A-H REF SET MAD	= +1.093+0.0255(E27)
RADAR SET MAD	= -17.455-0.233(E13)+0.042(E16) +0.083(E18)+0.284(E20)

TABLE 3 CONTINUED

REST OF AIRCRAFT SYSTEMS	
RADOME MAD	= +5.8181-0.0006(E02)-0.0234(E18)+0.0192(E20)
WINDSHIELD MAD	= +15.5688-0.0722(E18)
WINGS MAD	= -0.5229-0.3386(E13)+1.032(E20)
SEATS MAD	= -3.0919+0.0216(E19)+0.0462(E20)
MAIN LANDING GEAR MAD	= +2.0616+0.3565(E20)
BRAKES MAD	= +0.0304-0.0026(E03)+0.0067(E16)
STABILATOR MAD	-2.8538+0.1942(E20)
RUDDER MAD	= -2.6783-0.0023(E03)-0.0038(E09)+0.0136(E18) +0.0614(E24)
FLAPS MAD	= +18.583-0.1954(E18)+0.2366(E19)
WATER SEPARATOR MAD	= -1.249+0.022(E19)-0.0188(E24)
GENERATOR ASSY MAD	= +0.669-0.0093(E13)

TABLE 3 CONTINUED

ANTI-COLLISION LIGHTS MAD	= +11.0074-0.0007(E02)-0.0046(E03)-0.0257(E18) -0.9807(E30)
LANDING/TAXI LIGHTS MAD	= +6.1366-0.0654(E18)+0.0795(E19)
HYDRAULIC PUMPS MAD	= +0.1558-0.01505(E06)+0.252(E08)
FUEL TANKS MAD	= +5.03+0.009(E16)-0.027(E18)+0.035(E19) -0.064(E23)
OXYGEN REGULATOR MAD	= +6.414+0.0099(E06)+0.0412(E07)-0.0026(E16)+ +0.195(E21)-0.0291(E23)-0.0672(E24)-0.0515 (E27)
LOX CONVERTER MAD	= +0.2299+0.0842(E08)
ENGINE FIRE DETECTION MAD	= -0.2536+0.0006(E16)+0.0026(E19)-0.0017(E24)

TABLE 4 DEFINITION OF GENERIC MODELS' PARAMETERS

EQUIPMENT PARAMETERS

P02 = TOTAL NO. OF ENGINES
P04 = WT. PER ENGINE
A02 = EQUIP. LOCATION ON ACFT.
A03 - EQUIP. WT.
A04 - EQUIP. VOL.
A05 = SRU COUNT
A06 = OPERATING TEMP.
A07 = COOLING METHOD
A08 = PROTECTION DEVICES
A09 = NO. OF TEST POINTS
A12 = AGE UNRELIABILITY
A13 = AVG. OP. TIME PER SORTIE
A15 = RETEST OK RATE
A16 = ON-OFF CYCLES PER FLT. HR.
A18 = GND/FLT OPERATING RATIO
A19 = FAILURE/ABORT RATIO
F03 = EQUIP. WT.
F04 = EQUIP. VOL.
F06 = SUPPORT EQUIP. COMPLEXITY
F07 = SUPPORT EQUIP. RELIABILITY
F08 = TYPE OF FAIL. PROBLEMS
F09 = IN-FLT SQUAWK VERIF. RATE
F11 = GRD TO FLT OP. RATIO
F13 = REMOVALS TO ACCESS OTHER EQUIP.
F16 = EQUIP. PROTECTION METHODOLOGY

OPERATIONAL PARAMETERS

Ø05 = AVG. TAKE-OFF SPEED
Ø08 = AVG. CLIMB RATE
Ø09 = AVG. CRUISE SPEED
Ø10 = AVG. CRUISE ALTITUDE
Ø11 = AVG. DESCENT RATE
Ø12 = AVG. LANDING SPEED
Ø13 = MIN LANDING DISTANCE
Ø14 = AVG. LANDING WT.
Ø15 = TOTAL FLT. HR. PER ACFT.
Ø17 = OPS. FLT. HR. PER ACFT.
Ø18 = MISC. FLT. HR. PER ACFT.
Ø23 = AVG. NO. ALERT ACFT.
Ø25 = TOTAL SORTIES PER AIRCRAFT
Ø27 = OPS. SORTIES PER ACFT.
Ø30 = MAX ACFT. SPEED
Ø32 = ACFT. CREW SIZE
Ø33 = AVG. SORTIE LENGTH
Ø03 = AVG. MISSION MIX
Ø06 = MEDIAN TAKE-OFF DISTANCE
Ø07 = PERCENT OF MAX. TAKE-OFF WT.
Ø19 = TOTAL LANDINGS PER ACFT.
Ø21 = OP. LANDINGS PER ACFT.
Ø26 = TRAINING SORTIE PER ACFT.
Ø31 = SERVICE ACFT CEILING
Ø34 = ACCIDENTS (MAJOR/MINOR) PER ACFT.
Ø16 = TRAINING FLYING HR PER ACFT
Ø20 = TNG LANDINGS PER ACFT

ENVIRONMENTAL PARAMETERS

E03 = RUNWAY DIRECTION
E06 = NO. OF SNOW DAYS
E08 = MEAN SNOW DEPTH
E09 = NO. RAIN DAYS
E13 = NO. THUNDER DAYS
E16 = PREDOMINATE WIND DIRECTION
E18 = MAX CROSSWINDS 10-19 MPH DAYS
E19 = MAX CROSSWINDS 20-29 MPH DAYS
E20 = MAX CROSSWINDS 30-39 MPH DAYS
E21 = MAX CROSSWINDS 40-49 MPH DAYS
E27 = MIN TEMP. BELOW 32°F DAYS
E30 = AVG. VISION OBSTRUCTION TYPE
E31 = AVG. OBSTRUCTION SEVERITY
E07 = TOTAL SNOW FALL
E24 = MEAN MIN. TEMP.
E23 = MEAN TEMP.

subtask (5) of Figure 2 and resulted in the derivation of thirty composite Maintenance Metrics and Weightings Models for the estimation of maintenance action demand. The form of the models is as follows:

$$\text{MAD} = \text{A}+(\text{B}_1\text{Equip Param}_1+\ldots+\text{B}_m\text{Equip Param}_m) +$$
$$+(\text{C}_1\text{Opnl Param}_1+\ldots+\text{C}_n\text{Opnl Param}_n)+\ldots$$
$$\ldots+(\text{D}_1\text{Environ Param}_1+\ldots+\text{D}_p\text{Environ Param}_p).$$

Table 5 lists each subsystem's composite MAD estimating equation and Table 6 lists and defines the Parameter I.D. Numbers included in the equations of Table 5. Appendix D presents each of the composite model equations as listed in Table 5 along with corresponding evaluation statistics and remarks as to possible reasons for the appearance of specific parameters in the equation.

4. DEVELOPMENT OF LCOM FAILURE CLOCK CALCULATION ROUTINE

The maintenance action demand estimations obtained from the Maintenance Metrics and Weightings Models discussed in II.2 and II.3 are in terms of maintenance actions per unit equipment per year. One of the principle requirements of Tasks VI and VII is to translate these estimations into Failure Clock values for control of LCOM subsystem maintenance networks. Since these F-clock values are usually some derivative of "number of sorties to maintenance action," a computational routine for accomplishing this translation is required. Figure 3 is a process flow depicting this routine. The detailed procedure for accomplishing the F-clock transformation follows.

PROCEDURE FOR TRANSFORMING PRESENT LCOM FAILURE CLOCK VALUES TO CONFORM WITH MAINTENANCE METRICS MODEL ESTIMATES

(1) Determine actual historical time period used to derive present LCOM values.

(2) Determine actual maintenance action demand (AMAD) of item of interest during that time period.

(3) Determine appropriate "operating point"[1] values for item's Metrics Model regression variables. These values may either be derived from historic design and scenario data or from new simulated design and scenario data as appropriate depending on the nature of the simulation experiments to be performed.

(4) Compute estimated maintenance action demand (EMAD) for the same historic time period using Maintenance Metrics Regression Model.

(5) Compute ratio of EMAD to AMAD.

TABLE 5 COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODELS

MAD PER UE PER YEAR = F(EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL PARAMETERS)

PROPULSION SYSTEM MAD	= -57.675+0.244(P02)+0.055(P04)+0.021(Ø10) +0.203(Ø27)-0.798(Ø32)+7.509(Ø33)
FLIGHT INDICATORS MAD	= - 4.658+0.398(A03)+0.00004(Ø13)+0.0016(Ø17) -0.0036(E03)+0.045(E19)
AIR DATA SYSTEM MAD	= - 1.975+0.023(A03)-0.035(A16)-0.0008(Ø08) +0.0005(Ø13)-0.071(Ø23)-0.046(E13)+0.063(E19)
HSI SET MAD	= -14.292+0.751(A07)+1.003(A16)-0.049(Ø14) +3.020(Ø33)+0.177(E20)
AUTOPILOT MAD	= +21.944-0.481(A03)+0.0159(A04)-1.496(A13) -0.258(A19)-0.0004(Ø08)+0.637(Ø23)+0.016(E18)
UHF COMM SET MAD	= -101.62-0.208(A03)+1.011(A05)-0.016(Ø08) +6.732(Ø18)+1.415(E18)+0.419(E19)-60.986(E30)
IFF TRANSPONDER MAD	= + 0.890+0.602(A02)-0.026(A09)-0.813(Ø30) +0.0078(E09)
INS SET MAD	= - 0.034+0.346(A05)
ILS SET MAD	= - 1.128+0.025(A06)+0.0040(Ø15)-0.0074(Ø27) -0.025(E20)
TACAN SET MAD	= - 1.843+0.061(A03)-0.044(A18)+0.099(Ø32) +0.0058(E03)-0.017(E09)+0.142(E20)
A-H REF SET MAD	= -11.435-1.967(A08)+0.155(Ø05)-0.056(E27)
RADAR SET MAD	= -163.53-7.695(A02)+0.209(A12)+2.017(A19) +0.0013(Ø11)+0.271(E13)+0.138(E20)

TABLE 5 CONTINUED

REST OF AIRCRAFT SYSTEMS	
RADOME MAD	= -2.299+0.058(F08)+0.0274(Ø05)+0.0125(Ø21) -0.078(E20)
WINDSHIELD MAD	= +18.2433-0.099(F07)-0.0053(Ø15)+0.0309(Ø21) -0.0371(Ø27)-0.0289(E18)
WINGS MAD	= -27.4212+ .0205(F04)-0.0063(Ø08)+0.5034(Ø12) -0.0962(Ø14)+0.0157(Ø21)-0.3339(E13)+0.2438 (E20)
SEATS MAD	= -4.6375+0.0010(Ø08)+0.0493(Ø12)+0.0086(Ø17)+ +0.024(Ø21)-0.010(Ø25)-0.0538(Ø27)-0.0245 (E19)
MAIN LANDING GEAR MAD	= -3.8152+1.1603(F06)+1.7355(F13)+0.0389(Ø14) +0.0101(Ø19)+0.0013(F03)
BRAKES MAD	= -31.3801+0.1277(F09)+2.0431(Ø03)+0.1902(Ø05) +0.0017(Ø26)-0.0017(Ø31)-0.008(E03)
STABILATOR MAD	= -2.469+0.0023(F03)+0.8617(F06)+0.0141(Ø21)- -0.0872(E20)
RUDDER MAD	= +0.2636+0.0022(Ø15)-1.9625(Ø34)-0.0013(E03)
FLAPS MAD	= +48.3324+0.010(F03)+0.967(F06)-0.618(F08)- -0.023(Ø15)+0.007(Ø27)-0.224(E18)+0.049(E19)
WATER SEPARATOR MAD	= -1.249+0.022(E19)-0.0188(E24)
GENERATOR ASSY MAD	= -1.290+0.904(F13)+0.018(Ø07)

TABLE 5 CONTINUED

ANTI-COLLISION LIGHTS MAD	= +27.614-0.1434(F03)+1.070(F06)-0.010(Ø11)- -0.019(Ø21)-0.038(Ø25)-0.084(Ø27)+3.971(E30)
LANDING/TAXI LIGHTS MAD	= +4.937+0.280(F03)+18.60(F13)-0.006(Ø15)- -0.0498(E18)+0.051(E19)
HYDRAULIC PUMPS MAD	= +1.0089-0.031(F11)-0.0001(Ø08)-0.005(Ø14)- -0.026(Ø32)+0.288(Ø33)+0.013(E06)-0.079(E08)
FUEL TANKS MAD	= +12.353+0.080(F16)+0.0003(Ø10)-0.0078(Ø15)+ +0.0169(Ø21)-0.019(Ø27)-0.060(E18)+0.027(E19)
OXYGEN REGULATOR MAD	= +5.476-0.121(F03)-0.356(Ø30)+0.038(E06)+ +0.026(E07)+0.181(E21)-0.081(E24)-0.065(E27)
LOX CONVERTER MAD	= -2.4302+0.058(F08)+0.016(Ø05)-0.0001(Ø06)+ +0.168(Ø33)
ENGINE FIRE DETECTION MAD	= -0.316-0.006(F08)+0.0006(E16)+0.004(E19)- -0.0017(E24)

TABLE 6 DEFINITION OF COMPOSITE MODELS' PARAMETERS

	P02 =	TOTAL NO. OF ENGINES
	P04 =	WT. PER ENGINE
	A02 =	EQUIP. LOCATION ON ACFT.
	A03 =	EQUIP. WT.
	A04 =	EQUIP. VOL.
	A05 =	SRU COUNT
	A06 =	OPERATING TEMP.
	A07 =	COOLING METHOD
	A08 =	PROTECTION DEVICES
	A09 =	NO. OF TEST POINTS
EQUIPMENT	A12 =	AGE UNRELIABILITY
PARAMETERS	A13 =	AVG. OP. TIME PER SORTIE
	A16 =	ON-OFF CYCLES PER FLT. HR.
	A18 =	GND/FLT OPERATING RATIO
	A19 =	FAILURE/ABORT RATIO
	F03 =	EQUIP. WT.
	F04 =	EQUIP. VOL.
	F06 =	SUPPORT EQUIP. COMPLEXITY
	F07 =	SUPPORT EQUIP. RELIABILITY
	F08 =	TYPE OF FAILURE PROBLEMS
	F09 =	IN-FLT SQUAWK VERIFICATION RATE
	F11 =	GRD TO FLT OP. RATIO
	F13 =	REMOVALS TO ACCESS OTHER EQUIP.
	F16 =	EQUIP. PROTECTION METHODOLOGY
	Ø05 =	AVG. TAKE-OFF SPEED
	Ø08 =	AVG. CLIMB RATE
	Ø10 =	AVG. CRUISE ALTITUDE
	Ø11 =	AVG. DESCENT RATE
	Ø13 =	MIN LANDING DISTANCE
	Ø14 =	AVG. LANDING WT.
	Ø15 =	TOTAL FLT. HR. PER ACFT.
	Ø17 =	OPS. FLT. HR. PER ACFT.
	Ø18 =	MISC. FLT. HR. PER ACFT.
OPERATIONAL	Ø23 =	AVG. NO. ALERT ACFT.
PARAMETERS	Ø27 =	OPS. SORTIES PER ACFT.
	Ø30 =	MAX ACFT. SPEED
	Ø32 =	ACFT. CREW SIZE
	Ø33 =	AVG. SORTIE LENGTH
	Ø03 =	AVG. MISSION MIX
	Ø06 =	MEDIAN TAKE-OFF DISTANCE
	Ø07 =	PERCENT OF MAX. TAKE-OFF WT.
	Ø19 =	TOTAL LANDINGS PER ACFT.
	Ø21 =	OP. LANDINGS PER ACFT.
	Ø26 =	TRAINING SORTIE PER ACFT.
	Ø31 =	SERVICE ACFT CEILING
	Ø34 =	ACCIDENTS (MAJOR/MINOR) PER ACFT.
	Ø12 =	AVG. LANDING SPEED
	Ø25 =	TOTAL SORTIES PER AIRCRAFT

TABLE 6 CONTINUED

ENVIRONMENTAL PARAMETERS	E03 = RUNWAY DIRECTION E09 = NO. RAIN DAYS E13 = NO. THUNDER DAYS E18 = MAX CROSSWINDS 10-19 MPH DAYS E19 = MAX CROSSWINDS 20-29 MPH DAYS E20 = MAX CROSSWINDS 30-39 MPH DAYS E27 = MIN TEMP. BELOW 32°F DAYS E30 = AVG. VISION OBSTRUCTION TYPE E31 = AVG. OBSTRUCTION SEVERITY E07 = TOTAL SNOW FALL E24 = MEAN MIN. TEMP. E06 = NO. OF SNOW DAYS E08 = MEAN SNOW DEPTH E16 = PREDOMINATE WIND DIRECTION E21 = MAX. CROSSWINDS 40-49 MPH DAYS

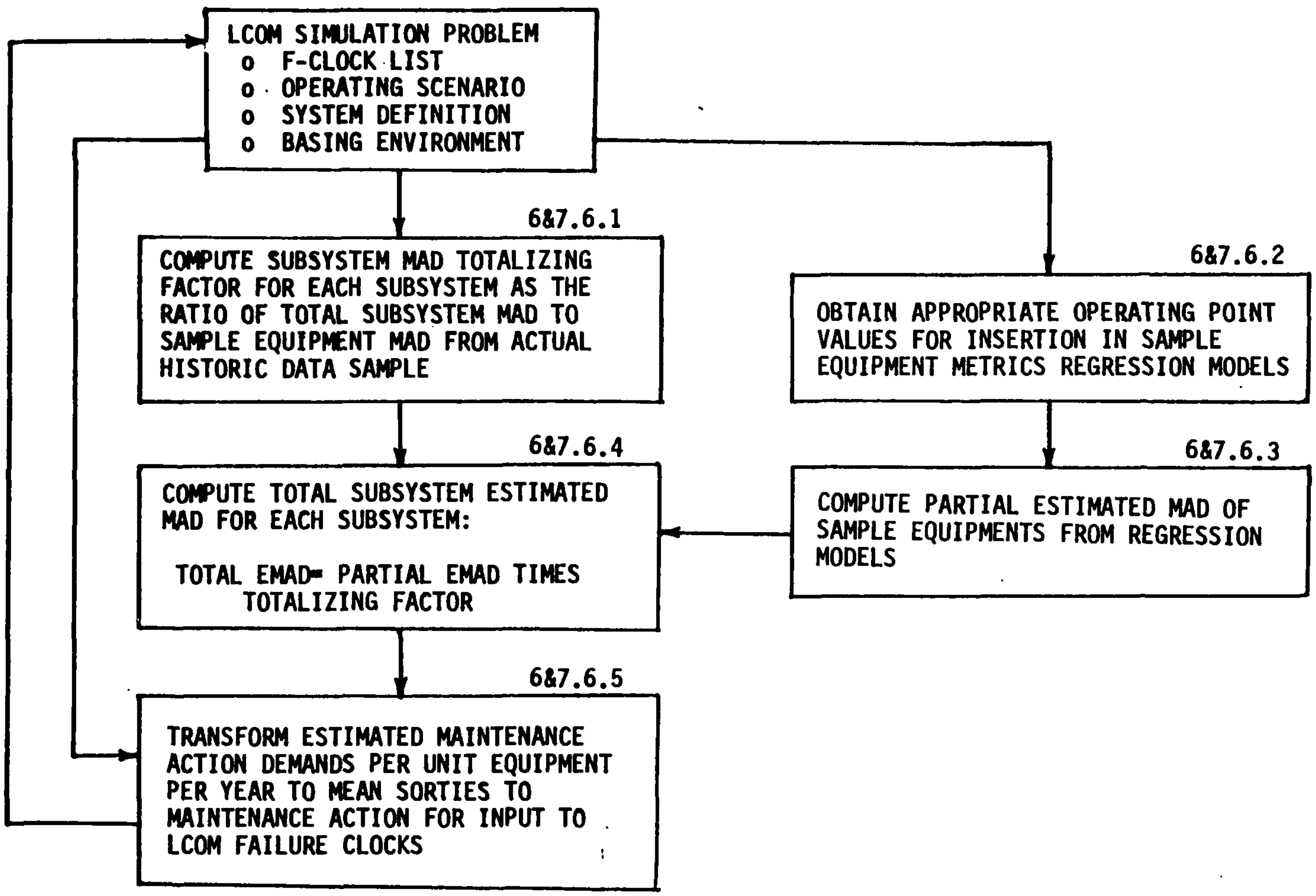

FIGURE 3 LCOM FAILURE CLOCK COMPUTATION PROCESS FLOW

(6) Multiply present clock values (or decrement value if appropriate) by the EMAD/AMAD ratio to transform clock value to the Maintenance Metric based estimate.[2]

NOTES:

1 - Operating point is defined here as the system of design, operational, support, and environmental conditions applicable to the item-of-interest. This may be some actual historic operating point featuring retrospective data, an estimated operating point featuring prospective data, or a mixture of the two.

2 - The Maintenance Metrics Models are of greatest value when performing prospective simulation and analyses on new systems and/or new scenarios. Under these conditions it is postulated that they will provide better results than simplistic projections of historic failures per sortie or per flying hour. If, however, an exact historical scenario is being simulated (a retrospective analysis of what actually happened), the historical data should provide better results than the "fitted" Maintenance Metrics estimates.

The requirement for and explanation of this rather complicated procedure is as follows.

The generic and composite Maintenance Metrics and Weightings regression equations developed for the study were based on a sampling of the critical equipment items in each aircraft subsystem Critical equipments are considered to be those items (usually only one or two) within a subsystem which drive the maintenance resource demands of that subsystem and may be used to represent the total subsystem without serious degradation of maintenance metrics analysis results. Critical equipments rather than total subsystems were used for maintenance metrics development because the far greater time and resources required for the data gathering and analysis of each item in each subsystem could not be justified in terms of the increased accuracy of the metrics developed (Refer to document D194-10089-1, Analysis and Evaluation, for a discussion of subsystem equipment selection). Therefore, as shown in Figure 3 and the procedure, transforming the outputs of the regression models to F-clock values provides for scaling the partial MAD estimates based on the selected equipment items up to total subsystem MAD estimates for LCOM network control, since the LCOM maintenance networks are structured at the subsystem level and the F-clock values are based on total subsystem demands. This is accomplished through the utilization of an actual sample of historical maintenance action demand data for the subsystems (or similar subsystems if new equipment) being analyzed and simulated. This actual data is used to calculate a ratio factor of total subsystem MAD to selected equipment sample MAD. This total subsystem MAD scale factor can then be applied to the partial MAD estimates computed from the regression models of the new aircraft and/or basing situation being simulated to yield total subsystem MAD estimates for translation into F-clock values at the LCOM maintenance network level. The last step in the translation process is to obtain an estimate of sorties per year to be accomplished (usually obtained from the simula-

tion scenario) and to calculate the sorties-to-failure values corresponding to each subsystem MAD per year. Figure 4 is a sample of the calculation work sheet to be used for the F-clock computation routine. An example of a typical F-clock transformation routine follows.

EXAMPLE OF FAILURE CLOCK TRANSFORMATION PROCEDURE:

Assume that there exists a failure clock for the F15A Flight Indicators Subsystem (WUC-51A) which is based on 1977 maintenance demand and sortie data from Bitburg.

Step 1 Derivation time period = 1977

Step 2 Actual maint. action demand (AMAD) for WUC-51A:
(LCOM definition AMAD per system per year)
(Source: AFM 66-1 data for 1977)

LCOM Task Code R = 46 actions/32 systems = 1.43750
LCOM Task Code M = 20 actions/32 systems = 0.62500
LCOM Task Code H = 11 actions/32 systems = 0.34375
Total 1977 AMAD (LCOM Definition) = 2.40625

Step 3 1977 values for significant F15A (WUC-51A) Maintenance Metrics Regression Model variables (Bitburg data):

Equipment Variables:
A03, Equipment Weight . . . . 0.72 lbs.
Operations Variables:
013, Minimum Landing Distance. . . . . .3750.00 feet
017, Operations Flying Hours per Aircraft. . 223.53 hrs./yr.
Environmental Variables:
E03, Runway Direction . . . . .240.00 compass deg.
E19, Maximum Crosswinds 20-29 mph . . . . . .106.00 days/yr.

Step 4 Estimated maint. action demand (EMAD) for WUC-51A:
(F-15A Bitburg Situation, 1977)

WUC-51A Maint. Metrics Regress Model:
(Derived from data for WUCs 51AD, 51AH, and 51AK)

EMAD = -4.65791+(0.39813)(0.72)+(0.00036)(3750.0)+. . .
...+(0.00159)(223.53)-(0.00361)(240.0)+(0.04497)(106.0)
EMAD(for 51AD, 51AH, 51AK) = 1.23458 actions per year

AMAD(for 51AD, 51AH, 51AK) = 0.88 actions per yr (from 66-1 data)

Ratio of total 51A AMAD to partial AMAD above:
2.40625/0.88 = 2.73

Total 51A EMAD = (2.73)(1.23458) = 3.376

Step 5 Ratio of total WUC-51A EMAD to AMAD
3.376/2.406 = 1.403

EQUIPMENT SUBSYSTEM	SUBSYSTEM WUC	LCOM F CLOCK	MAINT. METRIC MODEL WUC'S	ACTUAL MAINT. ACTION DEMAND PER UNIT PER YEAR					
				LCOM R +	LCOM M +	LCOM H =	TOTAL MAD ÷	NO. UNITS =	AMAD

PARTIAL AMAD (MODEL WUC'S)	PARTIAL ESTIMATED MAINT. ACTION DEMAND (PEMAD) PER UNIT PER YEAR (MAINT. METRIC REGRESSION ESTIMATING MODEL)																	
	A +	(B1 *	X1) +	(B2 *	X2) +	(B3 *	X3) +	(B4 *	X4) +	(B5 *	X5) +	(B6 *	X6) +	(B7 *	X7) =	PEMAD +	AMAD PAMAD =	TOTAL EMAD

AMAD / EMAD *	PRESENT CLOCK VALUE =	METRIC MODEL ADJUSTED CLOCK

Where: WUC = Work Unit Code
LCOM F Clock = Clock I.D. Number
R = Maintenance Task Code (Remove)
M = Maintenance Task Code (Fix in place)
H = Maintenance Task Code (Check OK)
MAD = Maintenance Action Demand
AMAD = Actual Maintenance Action Demand
Xn = Significant Equipment, Operational, and Environmental Parameters
PEMAD = Partial Estimated Maintenance Action Demand
PAMAD - Partial Actual Maintenance Action Demand
EMAD - Estimated Maintenance Action Demand

FIGURE 4 LCOM FAILURE CLOCK CALCULATION WORKSHEET

EXAMPLE (continued)

Step 6 Transformation of present failure clock value:

Assume that the present WUC-51 failure clock value is based on sorties per failure for the year 1977 with no allowance for peak sortie rate or peak failure rate periods.

Then--Sorties per Failure = Total Sorties per Acft/Total AMAD per unit
= 174.53/2.406
= 72.54

Set F clock at 73 sorties to failure

Transformed F clock value = (EMAD/AMAD)(Present Clock Value)
= (1.403)(72.54)
= 101.77

Set new F clock value at 102 sorties to failure

The effort to develop a F-clock computation routine is shown as subtask (6) on Figure 2. Subtask (7) indicates the documentation effort for Tasks VI and VII including this document. The results of the Maintenance Metrics and Weightings development feed the experimental LCOM studies performed under this contract as shown on Figure 2.

5. DEVELOPMENT OF MAINTENANCE TASK PROBABILITY ESTIMATING MODELS

The last subtask to be accomplished within the Task VI and VII effort was the development of an estimating method for the maintenance task selection proabilities necessary for the control of the LCOM maintenance networks. This effort is shown as subtask (8) of Figure 2 and the process flow for this subtask is depicted by Figure 5. As shown in Figure 5, task frequency data was extracted from the data base collected in study task IV (document D194-10089-1). This data was extracted at both the subsystem and included equipment levels for each data case of the study (aircraft/base combination) for each of the thirty aircraft subsystems studied. The data were then utilized to compute weighted average maintenance task selection probabilities for each subsystem/aircraft/base combination. The weighting factors were based on the ratio of frequency of maintenance of each equipment item within a given subsystem to the frequency of maintenance of the subsystem as a whole. It is necessary to weight the task frequencies of the component equipments because the equipment items within a subsystem do not fail with equal frequency and therefore the task distributions on the various subsystem components must be weighted according to each's proportion of total subsystem failures. Appendix E contains data and calculation tables for the weighted average task selection probabilities for each subsystem/aircraft/base combination analyzed during the study.

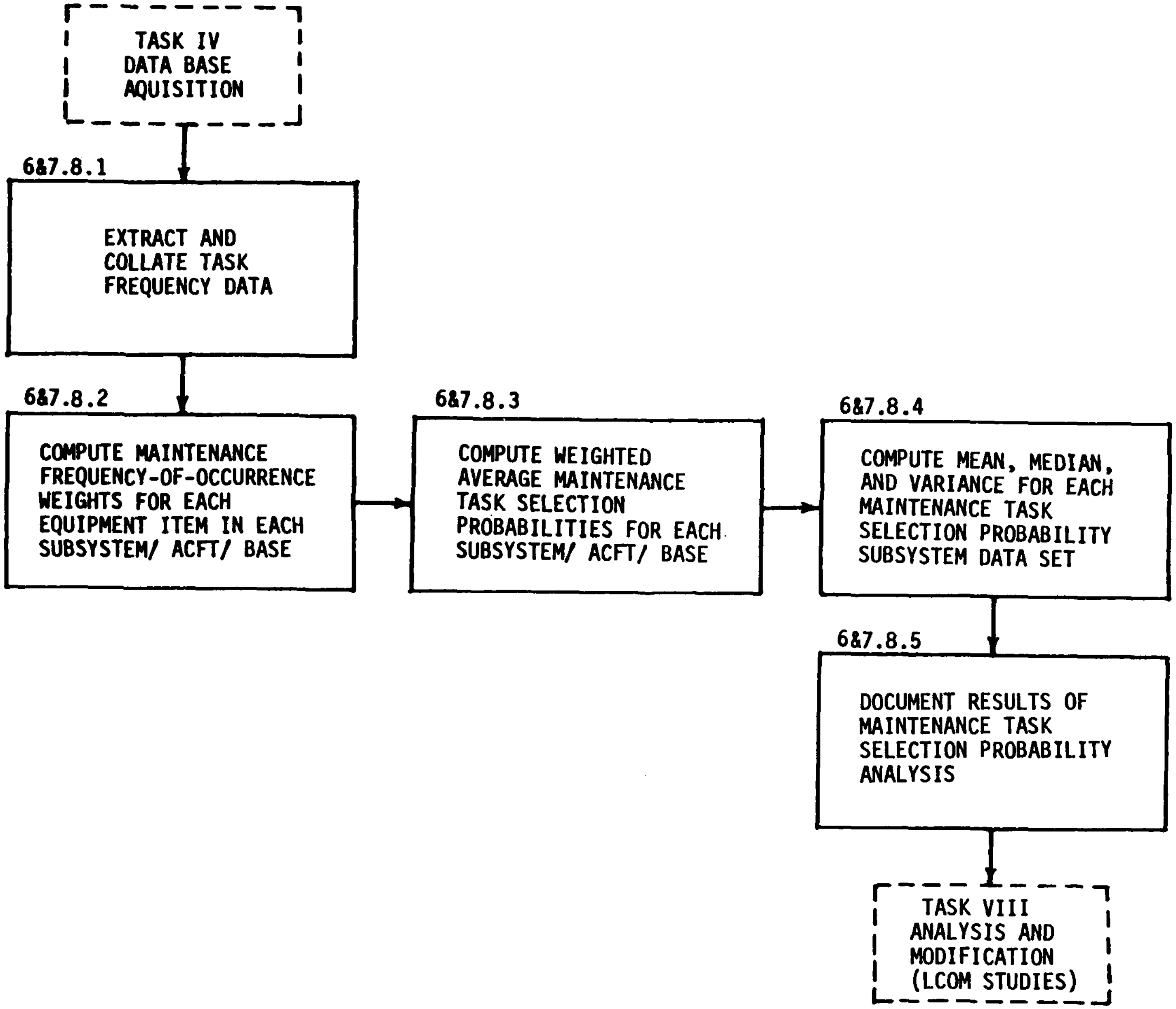

FIGURE 5 MAINTENANCE TASK SELECTION PROBABILITY PROCESS FLOW

The weighted average task selection probabilities discussed above were then assembled in summary data sets by subsystem and the mean, median, mode and variance of the probability of occurrence of each task type computed for each aircraft subsystem. These resulting statistics are contained in Appendix F and can now be used to estimate the expected task selection probability distributions required for control of the various subsystem maintenance networks in LCOM simulation problems. Figure 6 is an overview of the foregoing analysis process. Table 7 presents a summary of the resulting mean task selection probability distributions for the various subsystems.

- DEVELOP MEAN PROBABILITY PREDICTIONS FOR LCOM MAINTENANCE NETWORK TASK ALTERNATIVES

  ON EQUIP TASK ALTERNATIVES
  - (H) CHECK OK PROBABILITY
  - (M) FIX IN PLACE PROBABILITY
  - (R) REMOVE/REPLACE PROBABILITY

  OFF EQUIP TASK ALTERNATIVES
  - (N) NOT REPAIRABLE PROBABILITY
  - (K) BENCH CHECK OK PROBABILITY
  - (W) FIX IN SHOP PROBABILITY

- FOR EACH AIRCRAFT SUBSYSTEM LCOM NETWORK - -
  - COMPUTE WEIGHTED AVERAGE TASK PROBABILITIES BASED ON HISTORICAL MAINTENANCE TASK DATA WEIGHTED BY SUBSYSTEM COMPONENT RELATIVE FAILURE FREQUENCY DATA.
  - COMPUTE MEAN, MEDIAN, AND VARIANCE OF WEIGHTED AVERAGE TASK PROBABILITIES ACROSS ALL AIRCRAFT/BASE COMBINATIONS STUDIED.
- USE MEAN TASK PROBABILITY ANALYSIS RESULTS TO PREDICT EXPECTED MAINTENANCE TASK SELECTION PROBABILITIES FOR NEW SYSTEMS.

FIGURE 6 MAINTENANCE TASK SELECTION PROBABILITY ANALYSIS OVERVIEW

TABLE 7 SUMMARY OF MEAN TASK SELECTION PROBABILITY DISTRIBUTIONS

AIRCRAFT EQUIPMENT SUBSYSTEM	ON EQUIPMENT MEAN TASK PROBABILITY DISTRIBUTION			OFF EQUIPMENT MEAN TASK PROBABILITY DISTRIBUTION		
	R REMOVE	M FIX	H CHK OK	N SENT ON	K CHK OK	W FIX
23000 Propulsion	0.339	0.536	0.125	0.388	0.138	0.474
51A00 Flight Indicators	0.571	0.343	0.086	0.768	0.146	0.086
51E00 Air Data System	0.414	0.436	0.150	0.509	0.205	0.286
51N00 Horizontal Situation Indic.	0.586	0.226	0.188	0.699	0.149	0.152
52A00 Autopilot	0.573	0.208	0.219	0.354	0.246	0.400
63A00 UHF Communication Set	0.529	0.343	0.128	0.168	0.120	0.712
65A00 IFF Transponder Set	0.540	0.219	0.241	0.105	0.232	0.663
71A00 Inertial Navigation Set	0.390	0.119	0.491	0.343	0.171	0.486
71C00 Instrument Landing Set	0.421	0.310	0.269	0.069	0.158	0.773
71D00 TACAN Set	0.650	0.174	0.176	0.182	0.200	0.618
71F00 Attitude-Heading Ref. Set	0.650	0.157	0.193	0.661	0.193	0.146
74F00 Radar Set	0.496	0.183	0.321	0.220	0.113	0.667
11A01 Radome Assembly	0.147	0.837	0.016	0.067	0	0.933
11A02 Windshield	0.142	0.820	0.038	0.124	0	0.876
11K00 Wings	0.128	0.859	0.013	0.056	0.038	0.906
12B00 Cockpit Furnishings	0.154	0.775	0.071	0.450	0.009	0.541
13A00 Main Landing Gear	0.713	0.014	0.273	0.317	0.548	0.135
13D00 Brake Subsystem	0.373	0.424	0.203	0.425	0.188	0.387
14C00 Stabilator Subsystem	0.163	0.716	0.121	0.424	0.116	0.460
14D00 Rudder Subsystem	0.201	0.534	0.265	0.307	0.159	0.534
14H00 Flap Subsystem	0.154	0.620	0.226	0.412	0.013	0.575
41A00 Environmental Control System	0.499	0.408	0.093	0.404	0.062	0.534
42A00 Electric Power Gen. System	0.391	0.569	0.040	0.445	0.193	0.362
44A01 Navigation Lights	0.440	0.549	0.011	0.174	0.028	0.798
44A02 Landing/Taxi Lights	0.365	0.628	0.007	0.285	0.027	0.688
45A00 Hydraulic Power System	0.257	0.599	0.144	0.532	0.252	0.216
46A00 Internal Fuel Subsystem	0.187	0.661	0.152	0.683	0.050	0.267
47A01 Oxygen Regulator	0.656	0.258	0.086	0.923	0.024	0.053
47A0a LOX Converter	0.545	0.372	0.083	0.772	0.145	0.083
49A00 Fire Detection System	0.338	0.606	0.056	0.550	0.182	0.268

III - CONCLUSION

1. SYNOPSIS

This report describes the work accomplished under combined Tasks VI and VII of an eight task study to: "Develop Maintenance Metrics To Forecast Resource Demands of Weapon Systems." The work discussed in this interim report was accomplished between 1 November 1978 and 1 October 1979 for study Phase I (examination of aircraft avionics and engines) and continuing to 1 January 1980 for study Phase II (examination of remaining aircraft systems). The purpose of Tasks VI and VII was to determine the equipment, operations, and environmental parameters which are necessary and sufficient to estimate the maintenance demands of aircraft weapon systems, and relate these in more accurate metrics and weightings for control of the Air Force Logistics Composite Model (LCOM) maintenance networks. To this end, the historical and analytical data base assembled during the first five tasks of this study was utilized to derive regression models which relate each aircraft subsystem's maintenance action demand to significant equipment, operational, and environmental parameters as follows:

MAD = F (Significant Equipment Parameters).
MAD = F (Significant Operational Parameters).
MAD = F (Significant Environmental Parameters).
MAD = F (Significant Equipment, Operational, and Environmental Parameters).

The data base was also used to generate expected maintenance task selection probability distributions for each aircraft subsystem.

Results of work accomplished during the Task VI and VII effort and included in this report are: 1) development of 90 generic Maintenance Metrics and Weightings Models (three for each aircraft subsystem) which relate MAD to equipment, operational, and environmental characteristics respectively; 2) development of 30 composite Maintenance Metrics and Weightings Models (one for each aircraft subsystem) which relate MAD to a combination of equipment, operational, and environmental characteristics; 3) development of methodology to convert the estimated MAD values to the Failure Clock values required to drive the LCOM maintenance networks; and 4) development of 30 expected Maintenance Task Selection Probability Distributions and accompanying statistics (one for each aircraft subsystem). These estimation and prediction models are now available for use in the accomplishment of Task VIII of this study and for related future research and system evaluation.

2. PROBLEMS, ASSUMPTIONS, AND UNCERTAINTIES

No significant operational problems were encountered during work on Tasks VI and VII. All intended work was accomplished on schedule and within the resources budgeted for this portion of the study.

Some discussion of assumptions made, source data sufficiency, and relevant range limitations in the development and use of the Maintenance Metrics and Weightings Models is appropriate in conclusion.

The following assumptions were made in the course of model development:

(1) that the assembled data base measurements of actual historic states and rates were accurate and unbiased,

(2) that each data case value was a member of a continuous normal distribution of possible values for that data case (a necessary condition for regression analysis),

(3) that each major independent variable appearing in each regression model is unrelated to and on-interacting with the other independent variables in the model (most models do contain minor variables that interact with the major variables to "fine-tune" the model),

(4) that the range of values represented by the nine case data samples acquired encompassed essentially the full range of possible U. S. Air Force-wide values for equipment, operational, and environmental characteristics.

The last assumption above deals with the problem of sufficiency of data. This is an uncertainty which is present in every statistical analysis undertaken. It is generally agreed among analysts that a data sample of from 30 to 50 cases will yield a sufficiently accurate estimating equation for all but the most rigorous applications. The rather sparse sample of nine cases as used in this study, although yielding less accurate models than a more comprehensive sample, still should produce estimating and prediction results which improve on present methods of predicting the maintenance demands of new weapon systems and/or basing concepts. Care was taken in choosing the sample cases to include the widest possible variety of aircraft technology, operational concepts, and environmental conditions. The increase in research time and resource expenditures necessary to acquire a comprehensive Air Force-wide/world-wide data sample of 30 or so cases was not considered cost-effective for this prelininary metrics model development effort in terms of absolute model accuracy improvement.

The attention to securing a wide-range data sample as noted above allows the application of the developed metrics models to a wide range of equipment technologies and environments with a high degree of confidence that the relevant ranges of the regression will not be exceeded. The models should yield useful results for technology ranges from approximately circa 1960 to present production state-of-the-art; for such diverse operations as training, tactical fighters, strategic bombers, and military airlift; and for environments from hot and dry/wet to cold and dry/wet.

In conclusion, the models as developed are easy to use and are in a form to facilitate immediate application to research problems that require the estimation of aircraft subsystem maintenance demands.

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GLOSSARY OF ABBREVIATIONS

AB	Air Base
ACFT	Aircraft
AFB	Air Force Base
AFHRL	Air Force Human Resources Laboratory
AFMEA	Air Force Management Engineering Agency
BMW	Bomb Wing
EAC	Experience Analysis Center
EMAD	Estimate of Maintenance Action Demand
ENVIRON	Environment
EQUIP	Equipment
F-Clock	Failure Clock
FTW	Fighter Training Wing
I/O	Input/Output
LCOM	Logistic Composite Model
MAD	Maintenance Action Demand
MADIER	Maintenance Action Demand Impact Estimating Relationship
MAW	Military Airlift Wing
MIER	Maintenance Impact Estimating Relationship
OPNL	Operational
O&S	Operations and Support
PARAM	Parameter
TAC	Tactical Air Command
TFW	Tactical Fighter Wing

GLOSSARY OF ABBREVIATIONS

(cont'd)

TR	Technical Report
TTW	Tactical Training Wing
WUC	Work Unit Code

APPENDIX A

SIGNIFICANT PARAMETER DATA SETS FOR GENERIC MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT

SIGNIFICANT EQUIPMENT PARAMETER DATA SETS

APPENDIX A (Continued)

SIGNIFICANT PARAMETER DATA SETS FOR
GENERIC MAINTENANCE METRICS
AND WEIGHTINGS MODEL DEVELOPMENT

KEY TO SIGNIFICANT EQUIPMENT PARAMETERS
CONTAINED IN DATA SETS

I.D. NO.	PARAMETER	DIMENSION
P02	Total Number of Engines	No./Acft
P04	Weight per Engine	Lbs ÷ 10
P05	Volume per Engine	Cubic Feet
A02	Equipment Location on Aircraft.	Scaled Value
A03	Equipment Weight.	Pounds
A04	Equipment Volume.	Cu. In.
A05	SRU Count	No. SRUs in Equip. Item
A06	Operating Temperature	Scaled Value based on °F
A07	Cooling Method.	Scaled Value
A08	Protection Devices.	Scaled Value
A09	Number of Test Points	No. T.P. available to Org. Maint.
A10	Complexity of Required AGE.	Scaled Value
A11	AGE Availability.	Percent Time Avail. When Needed
A12	AGE Unreliability	Percent
A13	Average Operating Time per Sortie	Hours
A15	Retest OK Rate.	Percent
A16	On-Off Cycles per Flight Hour	No./10 Flying Hours
A18	Ground/Flight Operating Ratio	Percent
A19	Failure/Abort Ratio	Percent
F03	Equipment Weight.	Pounds
F04	Equip. Volume (Equip. Area if Appropriate).	Cu. Ft. or Cu. In. or Sq. Ft.
F06	Support Equipment Complexity.	Scaled Value
F07	Support Equipment Reliability	Percent
F08	Type of Failure Problems.	Scaled Value
F09	Inflight Squawk Verification Rate	Percent
F10	On-Off Cycles per Sortie.	Cycles/Sortie
F11	Ground to Flight Operating Ratio.	Percent
F13	Removals to Access Other Equipment.	No./Acft./Yr.
F16	Equipment Protection Methodology.	Scaled Value
F17	Equipment Pressurization Level	PSI
F22	Landings per Tire (Landing Gear only)	Landings per Tire

TABLE A-1 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 23000 PROPULSION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		P02	P04	P05								
F-15A/LUKE	28.10	58.00	302.10	6.19								
F-15A/BITBURG	56.63	64.00	300.00	6.20								
B-52G/FAIRCHILD	116.87	120.00	380.70	11.41								
FB-111A/PLATTSBURGH	49.91	64.00	490.00	20.76								
C-141A/TRAVIS	-	-	-	-	-	-	-	-	-	-	-	-
KC-135A/FAIRCHILD	77.52	108.00	432.00	11.41								
T-38A/RANDOLPH	18.88	166.00	51.60	2.07								
A-10A/MYRTLE BEACH	0.42	38.00	142.70	8.80								
A-10A/DAVIS-MONTHAN	8.74	46.00	142.70	8.80								

TABLE A-2 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 51A00 FLIGHT INDICATORS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A03	A06	A10	A15							
F-15A/LUKE	1.58	2.72	71.00	6.00	0.16							
F-15A/BITBURG	0.88	0.72	47.00	4.00	21.80							
B-52G/FAIRCHILD	0.40	3.00	47.00	4.00	5.00							
FB-111A/PLATTSBURGH	7.19	8.09	58.50	6.00	21.00							
C-141A/TRAVIS	3.31	5.08	85.00	6.00	19.00							
KC-135A/FAIRCHILD	0.70	1.00	47.00	4.00	0.00							
T-38A/RANDOLPH	1.42	4.75	76.70	4.00	20.00							
A-10A/MYRTLE BEACH	0.05	0.56	60.00	0.00	2.30							
A-10A/DAVIS-MONTHAN	1.48	1.29	69.00	1.72	7.00							

TABLE A-3 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 51E00 AIR DATA SYSTEM

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A03	A07	A10	A16	A18	A19					
F-15A/LUKE	1.38	14.70	1.00	6.00	4.49	78.00	100.00					
F-15A/BITBURG	0.94	11.87	1.69	4.31	6.80	25.00	70.00					
B-52G/FAIRCHILD	3.47	5.06	1.08	4.19	1.11	72.00	60.00					
FB-111A/PLATTSBURGH	7.13	29.26	1.00	4.82	2.87	50.00	76.44					
C-141A/TRAVIS	7.88	34.80	1.00	6.00	2.70	300.00	59.00					
KC-135A/FAIRCHILD	3.30	2.08	1.12	5.00	2.15	1.00	50.00					
T-38A/RANDOLPH	1.34	4.17	1.00	4.00	7.90	12.00	75.00					
A-10A/MYRTLE BEACH	0.05	14.73	2.00	4.00	5.56	1.00	95.00					
A-10A/DAVIS-MONTHAN	0.43	3.43	1.90	4.33	4.50	6.00	88.00					

TABLE A-4 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 51N00 HORIZONTAL SITUATION INDICATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A07	A10	A16	A18							
F-15A/LUKE	1.28	2.00	6.00	8.14	200.00							
F-15A/BITBURG	2.09	1.36	4.00	6.80	263.00							
B-52G/FAIRCHILD	5.27	1.00	5.00	1.11	16.67							
FB-111A/PLATTSBURGH	2.25	1.00	6.00	2.50	66.67							
C-141A/TRAVIS	5.50	1.00	6.00	2.70	371.00							
KC-135A/FAIRCHILD	1.56	1.49	5.00	1.58	0.00							
T-38A/RANDOLPH	1.69	1.00	4.00	7.90	20.00							
A-10A/MYRTLE BEACH	0.00	2.50	3.00	5.60	5.00							
A-10A/DAVIS-MONTHAN	1.26	2.86	3.00	4.55	6.00							

TABLE A-5 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 52A00 AUTOPILOT

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A03	A04	A06	A08	A11	A13	A19				
F-15A/LUKE	1.21	11.76	607.70	71.00	5.00	100.00	1.23	94.40				
F-15A/BITBURG	0.88	11.00	432.00	47.00	4.00	100.00	1.47	83.85				
B-52G/FAIRCHILD	7.53	30.55	1760.02	47.00	0.42	100.00	8.10	80.00				
FB-111A/PLATTSBURGH	9.91	17.78	827.96	44.00	0.00	90.00	4.00	77.60				
C-141A/TRAVIS	7.59	2.27	370.42	61.00	4.00	95.00	3.70	59.00				
KC-135A/FAIRCHILD	5.67	18.14	976.09	47.00	0.00	100.00	5.69	85.00				
T-38A/RANDOLPH	0.46	2.35	44.61	74.05	4.00	99.00	1.00	83.00				
A-10A/MYRTLE BEACH	0.11	4.50	234.00	63.00	4.00	100.00	1.80	88.00				
A-10A/DAVIS-MONTHAN	1.13	6.95	334.80	69.00	4.00	100.00	2.20	82.10				

TABLE A-6 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 63A00 UHF COMMUNICATION SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A03	A04	A05	A10							
F-15A/LUKE	4.31	26.43	802.50	12.28	6.00							
F-15A/BITBURG	5.03	26.00	750.90	9.62	6.00							
B-52G/FAIRCHILD Unit#1	6.93	39.55	1395.00	6.22	4.00							
Unit#2	7.80	39.97	1408.67	6.28	4.00							
FB-111A/PLATTSBURGH	7.34	19.10	596.56	7.30	5.22							
C-141A/TRAVIS	24.00	47.87	1526.90	8.74	6.00							
KC-135A/FAIRCHILD	12.26	41.65	1474.15	6.52	4.00							
T-38A/RANDOLPH	4.25	45.50	1583.90	8.00	4.00							
A-10A/MYRTLE BEACH	0.00	9.25	241.60	5.00	4.00							
A-10A/DAVIS-MONTHAN	0.00	9.25	241.63	5.00	2.00							

TABLE A-7 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 65A00 IFF TRANSPONDER SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A02	A05	A09								
F-15A/LUKE	0.90	3.00	8.00	5.00								
F-15A/BITBURG	2.22	3.00	19.00	0.00								
B-52G/FAIRCHILD	2.47	3.00	8.27	23.21								
FB-111A/PLATTSBURGH	3.03	7.00	9.00	51.00								
C-141A/TRAVIS	2.44	3.00	7.84	0.00								
KC-135A/FAIRCHILD	1.07	1.00	8.31	24.13								
T-38A/RANDOLPH	2.22	1.33	3.97	0.00								
A-10A/MYRTLE BEACH	0.11	2.00	22.00	89.00								
A-10A/DAVIS-MONTHAN	0.00	2.00	19.00	100.00								

TABLE A-8 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 71A00 INERTIAL NAVIGATION SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A03	A04	A05	A06							
F-15A/LUKE	5.45	28.80	1171.60	11.15	47.50							
F-15A/BITBURG	4.34	32.32	1387.20	18.65	47.00							
B-52G/FAIRCHILD	-	-	-	-	-							
FB-111A/PLATTSBURGH	18.03	53.28	2360.31	51.10	44.00							
C-141A/TRAVIS	0.31	39.90	1280.50	0.00	98.60							
KC-135A/FAIRCHILD	-	-	-	-	-							
T-38A/RANDOLPH	0.00	15.00	6.00	1.00	69.00							
A-10A/MYRTLE BEACH	-	-	-	-	-							
A-10A/DAVIS-MONTHAN	-	-	-	-	-							

TABLE A-9 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 71C00 INSTRUMENT LANDING SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A02	A06	A10	A15							
F-15A/LUKE	0.52	3.00	35.00	6.00	1.00							
F-15A/BITBURG	-	-	-	-	-							
B-52G/FAIRCHILD	0.93	1.02	47.00	5.00	14.85							
FB-111A/PLATTSBURGH	1.00	3.00	79.00	6.00	0.00							
C-141A/TRAVIS	1.94	3.00	71.66	6.00	25.00							
KC-135A/FAIRCHILD	0.26	1.00	47.00	3.58	2.80							
T-38A/RANDOLPH	0.76	2.00	46.00	4.00	5.00							
A-10A/MYRTLE BEACH	-	-	-	-	-							
A-10A/DAVIS-MONTHAN	-	-	-	-	-							

TABLE A-10 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 71D00 TACAN SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER			
		A03	A12	A18	A19
F-15A/LUKE	1.93	29.00	1.00	10.00	75.00
F-15A/BITBURG	1.56	29.80	2.00	25.00	90.00
B-52G/FAIRCHILD	3.60	31.00	0.00	0.00	90.00
FB-111A/PLATTSBURGH	1.75	27.60	10.00	10.00	95.00
C-141A/TRAVIS	11.38	51.00	0.00	1.00	100.00
KC-135A/FAIRCHILD	3.15	45.00	5.00	20.00	100.00
T-38A/RANDOLPH	0.77	50.00	0.00	50.00	98.00
A-10A/MYRTLE BEACH	0.00	14.30	10.00	25.00	95.00
A-10A/DAVIS-MONTHAN	0.30	9.11	10.00	25.00	85.00

TABLE A-11 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 71F00 ATTITUDE-HEADING REFERENCE SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A04	A06	A07	A08	A12	A13					
F-15A/LUKE	1.79	601.96	71.00	1.00	5.00	2.00	1.23					
F-15A/BITBURG	1.31	591.00	60.00	1.52	4.00	2.60	1.47					
B-52G/FAIRCHILD	5.20	299.50	47.00	1.00	1.10	10.06	9.00					
FB-111A/PLATTSBURGH	5.91	324.11	44.00	1.00	0.00	7.00	4.00					
C-141A/TRAVIS	0.09	853.69	61.89	1.00	4.00	3.00	3.70					
KC-135A/FAIRCHILD	1.70	250.00	47.00	1.00	2.00	20.00	6.33					
T-38A/RANDOLPH	4.24	408.90	29.87	1.00	4.00	0.00	1.26					
A-10A/MYRTLE BEACH	0.00	458.50	63.00	2.00	3.00	40.00	1.80					
A-10A/DAVIS-MONTHAN	1.61	460.11	69.00	2.00	3.00	40.00	2.20					

TABLE A-12 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 74F00 RADAR SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		A02	A03	A10	A12	A13	A19					
F-15A/LUKE	13.24	2.00	64.61	6.00	9.00	1.23	89.00					
F-15A/BITBURG	11.13	3.00	61.11	6.00	76.00	1.42	84.00					
B-52G/FAIRCHILD	15.60	2.18	55.35	4.55	0.00	6.54	91.50					
FB-111A/PLATTSBURGH	15.53	1.49	74.00	6.00	54.80	4.00	82.00					
C-141A/TRAVIS	21.19	3.90	49.78	6.00	0.00	3.70	100.00					
KC-135A/FAIRCHILD	8.37	2.14	54.20	3.59	3.98	6.33	87.35					
T-38A/RANDOLPH	-	-	-	-	-	-	-					
A-10A/MYRTLE BEACH	0.00	7.00	2.40	3.00	75.00	0.09	90.00					
A-10A/DAVIS-MONTHAN	0.61	7.00	3.29	4.95	75.00	0.01	90.00					

TABLE A-13 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 11A01 RADOME

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F08										
F-15A/LUKE	1.21	6.00										
F-15A/BITBURG	1.16	3.00										
B-52G/FAIRCHILD	0.53	8.00										
FB-111A/PLATTSBURGH	2.16	5.00										
C-141A/TRAVIS	4.38	9.00										
KC-135A/FAIRCHILD	0.15	1.00										
T-38A/RANDOLPH	0.65	6.00										
A-10A/MYRTLE BEACH	-	-										
A-10A/DAVIS-MONTHAN	-	-										

TABLE A-14 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 11A02 WINDSHIELD

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND - F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F04	F07								
F-15A/LUKE	0.93	60.00	1890.00	100.00								
F-15A/BITBURG	0.16	60.00	1890	100.00								
B-52G/FAIRCHILD	0.33	54.00	432.00	100.00								
FB-111A/PLATTSBURGH	4.03	64.00	2160.00	95.00								
C-141A/TRAVIS	7.31	385.00	3840.00	95.00								
KC-135A/FAIRCHILD	2.52	50.00	432.00	100.00								
T-38A/RANDOLPH	0.18	20.00	432.00	100.00								
A-10A/MYRTLE BEACH	0.00	150.00	1661.00	100.00								
A-10A/DAVIS-MONTHAN	0.20	150.00	1661.00	98.00								

TABLE A-15 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 11K00 WINGS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F04	F07									
F-15A/LUKE	13.97	608.00	100.00									
F-15A/BITBURG	7.56	608.00	100.00									
B-52G/FAIRCHILD	17.40	800.00	95.00									
FB-111A/PLATTSBURGH	26.25	602.75	95.00									
C-141A/TRAVIS	76.47	3073.00	95.00									
KC-135A/FAIRCHILD	34.81	1156.70	100.00									
T-38A/RANDOLPH	4.82	170.00	100.00									
A-10A/MYRTLE BEACH	0.53	506.00	99.00									
A-10A/DAVIS-MONTHAN	3.96	506.00	99.00									

TABLE A-16 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 12B00 COCKPIT FURNISHINGS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F06	F07	F08	F11							
F-15A/LUKE	0.10	8.00	100.00	6.0	50.00							
F-15A/BITBURG	0.06	8.00	100.00	4.0	50.00							
B-52G/FAIRCHILD	0.08	5.00	95.00	8.0	200.00							
FB-111A/PLATTSBURGH	1.27	1.00	99.00	5.0	300.00							
C-141A/TRAVIS	3.64	1.00	95.00	9.0	400.00							
KC-135A/FAIRCHILD	0.19	1.00	100.00	5.0	33.30							
T-38A/RANDOLPH	0.30	5.00	100.00	5.0	20.00							
A-10A/MYRTLE BEACH	0.00	5.00	100.00	6.0	100.00							
A-10A/DAVIS-MONTHAN	0.13	5.00	100.00	2.0	100.00							

TABLE A-17 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 13A00 MAIN LANDING GEAR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F04	F06	F08	F13	F16	F22				
F-15A/LUKE	12.14	190.00	10.54	7.00	9.00	0.97	4.0	30.00				
F-15A/BITBURG	8.69	190.00	10.54	7.00	9.00	0.69	4.0	17.00				
B-52G/FAIRCHILD	22.80	5488.00	182.40	5.00	7.00	1.87	0.00	0.00				
FB-111A/PLATTSBURGH	10.47	506.00	17.60	5.00	9.00	2.03	3.00	160.00				
C-141A/TRAVIS	28.16	2200.00	112.56	5.00	10.00	5.21	3.00	160.00				
KC-135A/FAIRCHILD	9.85	2960.00	148.40	1.00	8.00	1.30	0.00	0.00				
T-38A/RANDOLPH	18.51	58.00	1.64	5.00	10.00	3.19	1.00	80.00				
A-10A/MYRTLE BEACH	0.05	228.00	12.96	1.00	5.00	0.11	5.00	19.00				
A-10A/DAVIS-MONTHAN	1.17	228.00	12.96	1.00	5.00	0.09	4.00	70.00				

TABLE A-18 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 13000 BRAKES

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND R01	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F09										
F-15A/LUKE	2.05	100.00										
F-15A/BITBURG	0.52	100.00										
B-52G/FAIRCHILD	1.57	90.00										
FB-111A/PLATTSBURGH	2.14	75.00										
C-141A/TRAVIS	1.36	95.00										
KC-135A/FAIRCHILD	0.80	90.00										
T-38A/RANDOLPH	1.95	80.00										
A-10A/MYRTLE BEACH	0.00	100.00										
A-10A/DAVIS-MONTHAN	0.00	100.00										

TABLE A-19 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 14C00 STABILATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND R01	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F06									
F-15A/LUKE	1.48	300.00	5.00									
F-15A/BITBURG	1.38	300.00	5.00									
B-52G/FAIRCHILD	0.20	2000.00	1.00									
FB-111A/PLATTSBURGH	4.88	1730.00	4.00									
C-141A/TRAVIS	11.75	3000.00	5.00									
KC-135A/FAIRCHILD	3.96	1600.00	5.00									
T-38A/RANDOLPH	1.61	800.00	5.00									
A-10A/MYRTLE BEACH	0.00	800.00	1.00									
A-10A/DAVIS-MONTHAN	0.13	800.00	1.00									

TABLE A-20 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 14D00 RUDDER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
F-15A/LUKE												
F-15A/BITBURG		NO SIGNIFICANT EQUIPMENT PARAMETERS FOUND										
B-52G/FAIRCHILD												
FB-111A/PLATTSBURGH												
C-141A/TRAVIS												
KC-135A/FAIRCHILD												
T-38A/RANDOLPH												
A-10A/MYRTLE BEACH												
A-10A/DAVIS-MONTHAN												

TABLE A-21 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 14H00 FLAPS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F04	F06	F08	F10						
F-15A/LUKE	0.10	104.00	69.90	1.00	5.00	4.00						
F-15A/BITBURG	0.69	104.00	69.70	1.00	9.00	4.00						
B-52G/FAIRCHILD	3.67	800.00	523.30	1.00	9.00	4.00						
FB-111A/PLATTSBURGH	22.03	800.00	126.70	10.00	9.00	2.00						
C-141A/TRAVIS	28.56	3364.00	528.70	5.00	14.00	1.00						
KC-135A/FAIRCHILD	7.26	550.00	120.00	1.00	4.00	4.00						
T-38A/RANDOLPH	1.14	70.00	20.50	5.00	1.00	0.00						
A-10A/MYRTLE BEACH	0.05	200.00	86.00	5.00	8.00	0.00						
A-10A/DAVIS-MONTHAN	0.78	200.00	86.00	5.00	8.00	0.00						

TABLE A-22 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 41A00 ENVIRONMENTAL CONTROL

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND R01	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F08										
F-15A/LUKE	0.03	5.00										
F-15A/BITBURG	0.03	6.00										
B-52G/FAIRCHILD	0.27	1.00										
FB-111A/PLATTSBURGH	2.06	13.00										
C-141A/TRAVIS	0.81	3.00										
KC-135A/FAIRCHILD	0.00	1.00										
T-38A/RANDOLPH	0.84	1.00										
A-10A/MYRTLE BEACH	0.00	4.00										
A-10A/DAVIS-MONTHAN	0.04	4.00										

TABLE A-23 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 42A00 AIRCRAFT POWER GENERATION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F07	F09	F10	F13							
F-15A/LUKE	0.17	96.50	85.00	1.00	0.03							
F-15A/BITBURG	0.23	75.00	75.00	1.00	0.13							
B-52G/FAIRCHILD	1.13	100.00	90.00	1.00	0.80							
FB-111A/PLATTSBURGH	0.38	90.00	95.00	2.00	0.00							
C-141A/TRAVIS	0.54	95.00	100.00	1.50	0.41							
KC-135A/FAIRCHILD	0.53	100.00	95.00	1.00	0.48							
T-38A/RANDOLPH	0.78	100.00	90.00	1.00	0.17							
A-10A/MYRTLE BEACH	0.00	90.00	75.00	2.00	0.00							
A-10A/DAVIS-MONTHAN	0.04	60.00	85.00	2.00	0.00							

TABLE A-24 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 44A01 NAVIGATION/ANTI-COLLISION LIGHTS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F04	F06	F08	F11						
F-15A/LUKE	2.72	10.00	500.00	1.00	10.00	50.00						
F-15A/BITBURG	1.47	10.00	500.00	3.00	9.00	100.00						
B-52G/FAIRCHILD	0.33	2.50	368.00	3.00	6.00	200.00						
FB-111A/PLATTSBURGH	3.09	10.00	392.60	1.00	6.00	25.00						
C-141A/TRAVIS	4.75	15.00	720.00	1.00	6.00	10.00						
KC-135A/FAIRCHILD	0.04	4.00	187.90	3.00	12.00	300.00						
T-38A/RANDOLPH	1.16	2.00	180.00	1.00	5.00	100.00						
A-10A/MYRTLE BEACH	0.00	2.00	193.00	4.00	12.00	300.00						
A-10A/DAVIS-MONTHAN	0.39	2.00	193.00	4.00	14.00	300.00						

TABLE A-25 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 44A02 LANDING/TAXI LIGHTS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F04	F13								
F-15A/LUKE	0.38	6.00	171.74	0.07								
F-15A/BITBURG	0.50	6.00	171.74	0.00								
B-52G/FAIRCHILD	2.13	15.00	1206.00	0.00								
FB-111A/PLATTSBURGH	6.72	6.00	508.90	0.19								
C-141A/TRAVIS	9.84	34.00	6336.00	0.13								
KC-135A/FAIRCHILD	0.96	9.50	793.00	0.00								
T-38A/RANDOLPH	0.73	12.00	600.00	0.00								
A-10A/MYRTLE BEACH	0.00	8.00	500.00	0.00								
A-10A/DAVIS-MONTHAN	0.21	8.00	500.00	0.00								

TABLE A-26 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 45A00 HYDRAULIC POWER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F04	F11									
F-15A/LUKE	0.21	462.00	6.50									
F-15A/BITBURG	0.02	462.00	20.00									
B-52G/FAIRCHILD	1.57	1432.00	10.00									
FB-111A/PLATTSBURGH	1.29	480.00	10.00									
C-141A/TRAVIS	0.20	416.00	20.00									
KC-135A/FAIRCHILD	1.22	942.00	10.00									
T-38A/RANDOLPH	0.23	236.00	10.00									
A-10A/MYRTLE BEACH	0.00	900.00	20.00									
A-10A/DAVIS-MONTHAN	0.17	900.00	20.00									

TABLE A-27 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 46A00 FUEL TANKS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F16										
F-15A/LUKE	1.55	7.00										
F-15A/BITBURG	2.44	7.00										
B-52G/FAIRCHILD	1.66	7.00										
FB-111A/PLATTSBURGH	5.46	7.00										
C-141A/TRAVIS	5.03	7.00										
KC-135A/FAIRCHILD	2.44	3.00										
T-38A/RANDOLPH	0.07	4.00										
A-10A/MYRTLE BEACH	0.05	4.00										
A-10A/DAVIS-MONTHAN	0.17	4.00										

TABLE A-28 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 47A01 OXYGEN REGULATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03										
F-15A/LUKE	0.34	2.50										
F-15A/BITBURG	0.78	2.50										
B-52G/FAIRCHILD	0.34	2.00										
FB-111A/PLATTSBURGH	1.70	1.00										
C-141A/TRAVIS	0.33	3.00										
KC-135A/FAIRCHILD	0.22	3.00										
T-38A/RANDOLPH	0.45	1.50										
A-10A/MYRTLE BEACH	0.05	2.00										
A-10A/DAVIS-MONTHAN	0.39	2.00										

TABLE A-29 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 47A02 LOX CONVERTER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F04	F08	F17								
F-15A/LUKE	0.14	5.00	5.00	110.00								
F-15A/BITBURG	0.31	5.00	5.00	110.00								
B-52G/FAIRCHILD	1.78	25.00	15.00	450.00								
FB-111A/PLATTSBURGH	0.97	15.00	5.00	110.00								
C-141A/TRAVIS	0.47	25.00	8.00	305.00								
KC-135A/FAIRCHILD	0.44	8.00	4.00	450.00								
T-38A/RANDOLPH	0.54	5.00	6.00	120.00								
A-10A/MYRTLE BEACH	0.05	5.00	6.00	180.00								
A-10A/DAVIS-MONTHAN	0.09	5.00	6.00	180.00								

TABLE A-30 SIGNIFICANT EQUIPMENT PARAMETER DATA

SUBSYSTEM: 49A00 ENGINE FIRE DETECTION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIPMENT CHARACTERISTIC PARAMETER I.D. NUMBER										
		F03	F04	F08								
F-15A/LUKE	0.07	2.00	2.00	5.00								
F-15A/BITBURG	0.08	2.00	2.00	5.00								
B-52G/FAIRCHILD	0.11	0.63	0.00	4.00								
FB-111A/PLATTSBURGH	0.30	2.00	0.00	14.00								
C-141A/TRAVIS	0.17	3.00	0.22	16.00								
KC-135A/FAIRCHILD	0.06	0.63	2.20	9.00								
T-38A/RANDOLPH	0.07	0.50	0.00	9.00								
A-10A/MYRTLE BEACH	0.04	1.00	3.75	10.00								
A-10A/DAVIS-MONTHAN	0.02	1.00	3.75	10.00								

APPENDIX A (Continued)

SIGNIFICANT PARAMETER DATA SETS FOR
GENERIC MAINTENANCE METRICS
AND WEIGHTINGS MODEL DEVELOPMENT

SIGNIFICANT OPERATIONAL PARAMETER DATA SETS

APPENDIX A (Continued)

SIGNIFICANT PARAMETER DATA SETS FOR
GENERIC MAINTENANCE METRICS
AND WEIGHTINGS MODEL DEVELOPMENT

KEY TO SIGNIFICANT OPERATIONAL PARAMETERS CONTAINED IN DATA SETS

I.D. NO.	PARAMETER	DIMENSION
Ø02	Years Acft Have Been On Base	No. Years
Ø03	Average Mission Mix	Scaled Value
Ø05	Average Take-Off Speed	Knots
Ø06	Median Take-Off Distance	Feet
Ø07	Percent of Max Take-Off Weight	Avg. T.O. Wt. as % of Max
Ø08	Average Climb Rate	Feet/Min.
Ø09	Average Cruise Speed	Knots
Ø10	Average Cruise Altitude	Feet ÷ 10
Ø11	Average Descent Rate	Feet/Min.
Ø12	Average Landing Speed	Knots
Ø13	Minimum Landing Distance	Feet
Ø14	Average Landing Weight	Lbs. ÷ 1000
Ø15	Total Flying Hours per Aircraft	Hours/Acft/Yr
Ø16	Training Flying Hours per Aircraft	Hours/Acft/Yr
Ø17	Operations Flying Hours per Aircraft	Hours/Acft/Yr
Ø18	Misc. Flying Hours per Aircraft	Hours/Acft/Yr
Ø19	Total Landings per Aircraft	Landings/Acft/Yr
Ø20	Training Landings per Aircraft	Landings/Acft/Yr
Ø21	Operations Landings per Aircraft	Landings/Acft/Yr
Ø22	Misc. Landings per Aircraft	Landings/Acft/Yr
Ø23	Average No. of Aircraft on Alert	Acft/Month
Ø25	Total Sorties per Aircraft	Sorties/Acft/Yr
Ø26	Training Sorties per Aircraft	Sorties/Acft/Yr
Ø27	Operations Sorties per Aircraft	Sorties/Acft/Yr
Ø30	Maximum Aircraft Speed	Knots
Ø31	Aircraft Service Ceiling	Feet ÷ 10
Ø32	Aircraft Crew Size	Crewmen per Acft
Ø33	Average Sortie Length	Hours/Sortie
Ø34	Accidents (Major & Minor) per Aircraft	No./Acft/Yr
Ø35	Incidents per Aircraft	No./Acft/Yr

TABLE A-31 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 23000 PROPULSION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø10	Ø14	Ø27	Ø32	Ø33					
F-15A/LUKE	28.10	4000.00	2000.00	31.50	26.72	2.00	1.26					
F-15A/BITBURG	56.63	6000.00	2000.00	33.50	148.34	1.00	1.51					
B-52G/FAIRCHILD	116.87	1500.00	3300.00	240.00	4.43	9.00	8.25					
FB-111A/PLATTSBURGH	49.91	2400.00	1250.00	60.00	60.72	2.00	3.75					
C-141A/TRAVIS	-	-	-	-	-	-	-					
KC-135A/FAIRCHILD	77.52	1750.00	2500.00	127.50	4.81	6.00	4.95					
T-38A/RANDOLPH	18.88	4000.00	1175.00	9.50	0.00	2.00	1.38					
A-10A/MYRTLE BEACH	0.42	4000.00	408.75	30.00	93.00	1.00	1.90					
A-10A/DAVIS-MONTHAN	8.74	3500.00	1000.00	27.50	60.00	1.00	2.05					

TABLE A-32 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 51A00 FLIGHT INDICATORS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		∅11	∅13	∅15	∅17	∅25						
F-15A/LUKE	1.58	2250.00	3750.00	361.67	36.12	267.17						
F-15A/BITBURG	0.88	2250.00	3750.00	363.02	223.53	174.53						
B-52G/FAIRCHILD	0.80	4000.00	2600.00	365.27	36.53	44.27						
FB-111A/PLATTSBURGH	7.19	2500.00	7500.00	314.47	204.09	83.88						
C-141A/TRAVIS	6.63	700.00	2750.00	1369.84	1150.66	364.03						
KC-135A/FAIRCHILD	0.70	4000.00	3500.00	237.74	23.77	48.07						
T-38A/RANDOLPH	2.84	3000.00	3500.00	345.71	0.00	250.22						
A-10A/MYRTLE BEACH	0.05	3500.00	1600.00	196.72	177.05	103.32						
A-10A/DAVIS-MONTHAN	1.48	3000.00	1000.00	469.57	328.70	228.61						

TABLE A-33 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 51E00 AIR DATA SYSTEM

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER				
		Ø08	Ø13	Ø14	Ø23	Ø32
F-15A/LUKE	1.38	4000.00	3750.00	31.50	0.00	2.00
F-15A/BITBURG	0.94	6000.00	3750.00	33.50	1.00	1.00
B-52G/FAIRCHILD	3.47	1500.00	2600.00	240.00	4.00	9.00
FB-111A/PLATTSBURGH	7.13	2400.00	7500.00	60.00	12.00	2.00
C-141A/TRAVIS	7.88	1400.00	2750.00	165.00	0.33	7.00
KC-135A/FAIRCHILD	3.30	1750.00	3500.00	127.50	9.00	6.00
T-38A/RANDOLPH	1.34	4000.00	3500.00	9.50	0.00	2.00
A-10A/MYRTLE BEACH	0.05	4000.00	1600.00	30.00	0.00	1.00
A-10A/DAVIS-MONTHAN	0.43	3500.00	1000.00	27.50	0.00	1.00

TABLE A-34 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 51N00 HORIZONTAL SITUATION INDICATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø10	Ø14	Ø32	Ø33						
F-15A/LUKE	1.28	4000.00	2000.00	31.50	2.00	1.26						
F-15A/BITBURG	2.09	6000.00	2000.00	33.50	1.00	1.51						
B-52G/FAIRCHILD	5.27	1500.00	3300.00	240.00	9.00	8.25						
FB-111A/PLATTSBURGH	2.25	2400.00	1250.00	60.00	2.00	3.75						
C-141A/TRAVIS	5.50	1400.00	1940.00	165.00	7.00	3.76						
KC-135A/FAIRCHILD	1.56	1750.00	2500.00	127.50	6.00	4.95						
T-38A/RANDOLPH	1.69	4000.00	1175.00	9.50	2.00	1.38						
A-10A/MYRTLE BEACH	0.00	4000.00	408.75	30.00	1.00	1.90						
A-10A/DAVIS-MONTHAN	1.26	3500.00	1000.00	27.50	1.00	2.05						

TABLE F-35 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 52A00 AUTOPILOT

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS).

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø14	Ø23	Ø32	Ø33						
F-15A/LUKE	1.21	4000.00	31.50	0.00	2.00	1.26						
F-15A/BITBURG	0.88	6000.00	33.50	1.00	1.00	1.51						
B-52G/FAIRCHILD	7.53	1500.00	240.00	4.00	9.00	8.25						
FB-111A/PLATTSBURGH	9.91	2400.00	60.00	12.00	2.00	3.75						
C-141A/TRAVIS	7.59	1400.00	165.00	0.33	7.00	3.76						
KC-135A/FAIRCHILD	5.67	1750.00	127.50	9.00	6.00	4.95						
T-38A/RANDOLPH	0.46	4000.00	9.50	0.00	2.00	1.38						
A-10A/MYRTLE BEACH	0.11	4000.00	30.00	0.00	1.00	1.90						
A-10A/DAVIS-MONTHAN	1.13	3500.00	27.50	0.00	1.00	2.05						

TABLE A-36 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 63A00 UHF COMMUNICATION SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø18	Ø22	Ø32							
F-15A/LUKE	4.31	4000.00	0.00	0.00	2.00							
F-15A/BITBURG	5.03	6000.00	7.90	5.31	1.00							
B-52G/FAIRCHILD	6.93	1500.00	0.00	0.00	9.00							
FB-111A/PLATTSBURGH	7.34	2400.00	1.22	1.94	2.00							
C-141A/TRAVIS	24.00	1400.00	13.75	7.88	7.00							
KC-135A/FAIRCHILD	12.26	1750.00	11.89	8.14	6.00							
T-38A/RANDOLPH	4.25	4000.00	0.00	0.00	2.00							
A-10A/MYRTLE BEACH	0.00	4000.00	0.00	0.00	1.00							
A-10A/DAVIS-MONTHAN	0.00	3500.00	0.00	0.00	1.00							

TABLE A-37 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 65A00 IFF TRANSPONDER SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø05	Ø09	Ø12	Ø13	Ø30						
F-15A/LUKE	0.90	150.00	350.00	135.00	3750.00	2.30						
F-15A/BITBURG	2.22	150.00	375.00	117.50	3750.00	2.30						
B-52G/FAIRCHILD	2.47	156.00	450.00	135.00	2600.00	0.83						
FB-111A/PLATTSBURGH	3.03	165.00	440.00	135.00	7500.00	2.50						
C-141A/TRAVIS	2.44	130.00	230.00	110.00	2750.00	0.83						
KC-135A/FAIRCHILD	1.07	150.00	410.00	125.00	3500.00	0.90						
T-38A/RANDOLPH	2.22	155.00	323.75	142.50	3500.00	1.30						
A-10A/MYRTLE BEACH	0.11	130.00	240.00	120.00	1600.00	0.41						
A-10A/DAVIS-MONTHAN	0.00	120.00	230.00	105.00	1000.00	0.41						

TABLE A-38 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 71A00 INERTIAL NAVIGATION SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		009	013	025								
F-15A/LUKE	5.45	350.00	3750.00	267.17								
F-15A/BITBURG	4.34	375.00	3750.00	174.53								
B-52G/FAIRCHILD	-	-	-	-								
FB-111A/PLATTSBURGH	18.03	440.00	7500.00	83.88								
C-141A/TRAVIS	0.31	230.00	2750.00	364.03								
KC-135A/FAIRCHILD	-	-	-	-								
T-38A/RANDOLPH	0.00	323.75	3500.00	250.22								
A-10A/MYRTLE BEACH	-	-	-	-								
A-10A/DAVIS-MONTHAN	-	-	-	-								

TABLE A-39 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 71C00 INSTRUMENT LANDING SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		015	025	027	032							
F-15A/LUKE	0.52	361.67	267.17	26.72	2.00							
F-15A/BITBURG	0.03	363.02	174.53	148.34	1.00							
B-52G/FAIRCHILD	0.93	365.27	44.27	4.43	9.00							
FB-111A/PLATTSBURGH	1.00	314.47	83.88	60.72	2.00							
C-141A/TRAVIS	1.94	1369.84	364.03	305.47	7.00							
KC-135A/FAIRCHILD	0.26	237.74	48.07	4.81	6.00							
T-38A/RANDOLPH	0.76	345.71	250.22	0.00	2.00							
A-10A/MYRTLE BEACH	-	-	-	-	-							
A-10A/DAVIS-MONTHAN	-	-	-	-	-							

TABLE A-40 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 71D00 TACAN SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø10	Ø15	Ø17	Ø27	Ø32						
F-15A/LUKE	1.93	2000.00	361.67	36.12	26.72	2.00						
F-15A/BITBURG	1.56	2000.00	363.02	223.53	148.34	1.00						
B-52G/FAIRCHILD	3.60	3300.00	365.27	36.53	4.43	9.00						
FB-111A/PLATTSBURGH	1.75	1250.00	314.47	204.09	60.72	2.00						
C-141A/TRAVIS	11.38	1950.00	1369.84	1150.66	305.47	7.00						
KC-135A/FAIRCHILD	3.15	2500.00	237.74	23.77	4.81	6.00						
T-38A/RANDOLPH	0.77	1175.00	345.71	0.00	0.00	2.00						
A-10A/MYRTLE BEACH	0.00	408.75	196.72	177.05	93.00	1.00						
A-10A/DAVIS-MONTHAN	0.30	1000.00	469.57	328.70	60.00	1.00						

TABLE A-41 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 71F00 ATTITUDE-HEADING REFERENCE SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERICTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø05	Ø09	Ø12	Ø13	Ø34						
F-15A/LUKE	1.79	150.00	350.00	135.00	3750.00	0.10						
F-15A/BITBURG	1.31	150.00	375.00	117.50	3750.00	0.09						
B-52G/FAIRCHILD	5.20	156.00	450.00	135.00	2600.00	0.33						
FB-111A/PLATTSBURGH	5.91	165.00	440.00	135.00	7500.00	0.13						
C-141A/TRAVIS	0.09	130.00	230.00	110.00	2750.00	0.00						
KC-135A/FAIRCHILD	1.70	150.00	410.00	125.00	3500.00	0.00						
T-38A/RANDOLPH	4.24	155.00	323.75	142.50	3500.00	0.05						
A-10A/MYRTLE BEACH	0.00	130.00	240.00	120.00	1600.00	0.16						
A-10A/DAVIS-MONTHAN	1.61	120.00	230.00	105.00	1000.00	0.04						

TABLE A-42 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 74F00 RADAR SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø10	Ø11	Ø14	Ø19	Ø32						
F-15A/LUKE	13.24	2000.00	2250.00	31.50	456.69	2.00						
F-15A/BITBURG	11.13	2000.00	2250.00	33.50	177.00	1.00						
B-52G/FAIRCHILD	15.60	3300.00	4000.00	240.00	131.47	9.00						
FB-111A/PLATTSBURGH	15.53	1250.00	2500.00	60.00	187.97	2.00						
C-141A/TRAVIS	21.19	1950.00	700.00	165.00	792.59	7.00						
KC-135A/FAIRCHILD	8.37	2500.00	4000.00	127.50	159.48	6.00						
T-38A/RANDOLPH	-	-	-	-	-	-						
A-10A/MYRTLE BEACH	0.00	408.75	3500.00	30.00	105.91	1.00						
A-10A/DAVIS-MONTHAN	0.61	1000.00	3000.00	27.50	228.61	1.00						

TABLE A-43 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 11A01 RADOME

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø03	Ø05	Ø07	Ø11	Ø12	Ø15	Ø17	Ø21	Ø25	Ø27	
F-15A/LUKE	1.21	1.10	150.00	83.02	2250.00	116.00	361.67	36.12	45.72	267.17	26.72	
F-15A/BITBURG	1.16	1.91	150.00	82.14	2250.00	118.00	363.02	223.53	150.47	174.53	148.34	
B-52G/FAIRCHILD	0.53	1.10	156.00	92.00	4000.00	115.00	365.27	36.53	13.15	44.27	4.43	
FB-111A/PLATTSBURGH	2.16	1.78	165.00	79.00	2500.00	123.00	314.47	204.09	136.09	83.88	60.72	
C-141A/TRAVIS	4.38	1.86	130.00	75.83	700.00	97.00	1369.84	1150.66	665.81	364.03	305.47	
KC-135A/FAIRCHILD	0.15	1.20	150.00	82.00	4000.00	115.00	237.74	23.77	15.95	48.07	4.81	
T-38A/RANDOLPH	0.65	1.00	155.00	100.00	3000.00	130.00	345.71	0.00	0.00	250.22	0.00	
A-10A/MYRTLE BEACH	-	-	-	-	-	-	-	-	-	-	-	
A-10A/DAVIS-MONTHAN	-	-	-	-	-	-	-	-	-	-	-	

TABLE A-44 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 11A02 WINDSHIELD

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø11	Ø12	Ø15	Ø17	Ø21	Ø27				
F-15A/LUKE	0.93	4000.00	2250.00	116.00	361.67	36.12	45.72	26.72				
·F-15A/BITBURG	0.16	6000.00	2250.00	118.00	363.02	223.53	150.47	148.34				
B-52G/FAIRCHILD	0.33	1500.00	4000.00	115.00	365.27	36.53	13.15	4.43				
FB-111A/PLATTSBURGH	4.03	2400.00	2500.00	123.00	314.47	204.09	136.09	60.72				
C-141A/TRAVIS	7.31	1400.00	700.00	97.00	1369.84	1150.66	665.81	305.47				
KC-135A/FAIRCHILD	2.52	1750.00	4000.00	115.00	237.74	23.77	15.95	4.81				
T-38A/RANDOLPH	0.18	4000.00	3000.00	130.00	345.71	0.00	0.00	0.00				
A-10A/MYRTLE BEACH	0.00	4000.00	3500.00	115.00	196.72	177.05	95.34	93.00				
A-10A/DAVIS-MONTHAN	0.20	3500.00	3000.00	111.00	469.57	328.70	60.00	60.00				

TABLE A-45 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 11K00 WINGS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø02	Ø08	Ø10	Ø11	Ø12	Ø14	Ø15	Ø17	Ø21	Ø27	Ø32
F-15A/LUKE	13.97	3.67	4000.00	2000.00	2250.00	116.00	31.50	361.67	36.12	45.72	26.72	2.00
F-15A/BITBURG	7.56	0.75	6000.00	3800.00	2250.00	118.00	33.50	363.02	223.53	150.47	148.34	1.00
B-52G/FAIRCHILD	17.40	7.67	1500.00	2550.00	4000.00	115.00	240.00	365.27	36.53	13.15	4.43	9.00
FB-111A/PLATTSBURGH	26.25	6.00	2400.00	1650.00	2500.00	123.00	60.00	314.47	204.09	136.09	60.72	2.00
C-141A/TRAVIS	76.47	11.83	1400.00	3020.00	700.00	97.00	165.00	1369.84	1150.66	665.81	305.47	7.00
KC-135A/FAIRCHILD	34.81	20.33	1750.00	2900.00	4000.00	115.00	127.50	237.74	23.77	15.95	4.81	6.00
T-38A/RANDOLPH	4.82	11.75	4000.00	1590.00	3000.00	130.00	9.50	345.11	0.00	0.00	0.00	2.00
A-10A/MYRTLE BEACH	0.53	0.67	4000.00	408.75	3500.00	115.00	30.00	196.72	177.05	95.34	93.00	1.00
A-10A/DAVIS-MONTHAN	3.96	2.42	3500.00	1000.00	3000.00	111.00	27.50	469.57	328.70	60.00	60.00	1.00

AD-A096 689 BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER--ETC F/G 5/1
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC(U)
OCT 80 D K HINDES, G A WALKER, D H WILSON F33615-77-C-0075
UNCLASSIFIED D194-10089-3 NL

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TABLE A-46 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 12800 COCKPIT FURNISHINGS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø11	Ø12	Ø15	Ø17	Ø21	Ø25	Ø27			
F-15A/LUKE	0.10	4000.00	2250.00	116.00	361.67	36.12	45.72	267.17	26.72			
F-15A/BITBURG	0.06	6000.00	2250.00	118.00	363.02	223.53	150.47	174.53	148.34			
B-52G/FAIRCHILD	0.08	1500.00	4000.00	115.00	365.27	36.53	13.15	44.27	4.43			
FB-111A/PLATTSBURGH	3.64	2400.00	2500.00	123.00	314.47	204.09	136.09	83.88	60.72			
C-141A/TRAVIS	1.27	1400.00	700.00	97.00	1369.84	1150.66	665.81	364.03	305.47			
KC-135A/FAIRCHILD	0.19	1750.00	4000.00	115.00	237.74	23.77	15.95	48.07	4.81			
T-38A/RANDOLPH	0.30	4000.00	3000.00	130.00	345.71	0.00	0.00	250.22	0.00			
A-10A/MYRTLE BEACH	0.00	4000.00	3500.00	115.00	196.72	177.05	95.34	103.32	93.00			
A-10A/DAVIS-MONTHAN	0.13	3500.00	3000.00	111.00	469.57	328.70	60.00	228.61	60.00			

TABLE A-47 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 13A00 MAIN LANDING GEAR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø10	Ø14	Ø15	Ø16	Ø19	Ø21	Ø32			
F-15A/LUKE	12.14	4000.00	2000.00	31.50	361.67	325.54	456.69	45.72	2.00			
F-15A/BITBURG	8.69	6000.00	3800.00	33.50	363.02	31.59	177.00	150.47	1.00			
B-52G/FAIRCHILD	22.80	1500.00	2550.00	240.00	365.27	328.74	131.47	13.15	9.00			
FB-111A/PLATTSBURGH	10.47	2400.00	1650.00	60.00	314.47	109.16	187.97	136.09	2.00			
C-141A/TRAVIS	28.16	1400.00	3020.00	165.00	1369.84	205.44	792.59	665.81	7.00			
KC-135A/FAIRCHILD	9.85	1750.00	2900.00	127.50	237.74	202.08	159.48	15.95	6.00			
T-38A/RANDOLPH	18.51	4000.00	1590.00	9.50	345.71	345.71	1046.72	0.00	2.00			
A-10A/MYRTLE BEACH	0.05	4000.00	408.75	30.00	196.72	19.67	105.91	95.34	1.00			
A-10A/DAVIS-MONTHAN	1.17	3500.00	1000.00	27.50	469.57	140.87	228.61	60.00	1.00			

TABLE A-48 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 13D00 BRAKES

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø03	Ø05	Ø09	Ø16	Ø20	Ø26	Ø31				
F-15A/LUKE	2.05	1.10	150.00	500.00	325.54	410.97	240.45	7000.00				
F-15A/BITBURG	0.52	1.91	150.00	530.00	31.59	21.28	20.91	7000.00				
B-52G/FAIRCHILD	1.57	1.10	156.00	450.00	328.74	118.32	39.84	5500.00				
FB-111A/PLATTSBURGH	2.14	1.78	165.00	440.00	109.16	49.94	22.38	6000.00				
C-141A/TRAVIS	1.36	1.86	130.00	430.00	205.44	118.91	54.59	4885.00				
KC-135A/FAIRCHILD	0.80	1.20	150.00	410.00	202.08	135.56	40.86	5200.00				
T-38A/RANDOLPH	1.95	1.00	155.00	420.00	345.71	1046.72	250.22	5500.00				
A-10A/MYRTLE BEACH	0.00	1.90	130.00	320.00	19.67	10.59	10.32	4420.00				
A-10A/DAVIS-MONTHAN	0.00	1.70	120.00	310.00	140.87	68.61	68.61	4420.00				

TABLE A-49 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 14C00 STABILATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø11	Ø12	Ø15	Ø17	Ø21	Ø27				
F-15A/LUKE	1.48	4000.00	2250.00	116.00	361.67	36.12	45.72	26.72				
F-15A/BITBURG	1.38	6000.00	2250.00	118.00	363.02	223.53	150.47	148.34				
B-52G/FAIRCHILD	0.20	1500.00	4000.00	115.00	365.27	36.53	13.15	4.43				
FB-111A/PLATTSBURGH	4.88	2400.00	2500.00	123.00	314.47	204.09	136.09	60.72				
C-141A/TRAVIS	11.75	1400.00	700.00	97.00	1369.84	1150.66	665.81	305.47				
KC-135A/FAIRCHILD	3.96	1750.00	4000.00	115.00	237.74	23.77	15.95	4.81				
T-38A/RANDOLPH	1.61	4000.00	3000.00	130.00	345.71	0.00	0.00	0.00				
A-10A/MYRTLE BEACH	0.00	4000.00	3500.00	115.00	196.72	177.05	95.34	93.00				
A-10A/DAVIS-MONTHAN	0.13	3500.00	3000.00	111.00	469.57	328.70	60.00	60.00				

TABLE A-50 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 14D00 RUDDER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø11	Ø12	Ø15	Ø17	Ø19	Ø21	Ø25	Ø27	Ø34		
F-15A/LUKE	0.93	2250.00	116.00	361.67	36.12	456.69	45.72	267.17	26.72	0.10		
F-15A/BITBURG	0.50	2250.00	118.00	363.02	223.53	177.00	150.47	174.53	148.34	0.09		
B-52G/FAIRCHILD	0.70	4000.00	115.00	365.27	36.53	131.47	13.15	44.27	4.43	0.33		
FB-111A/PLATTSBURGH	0.38	2500.00	123.00	314.47	204.09	187.97	136.09	83.88	60.72	0.13		
C-141A/TRAVIS	3.21	700.00	97.00	1369.84	1150.66	792.59	665.81	364.03	305.47	0.00		
KC-135A/FAIRCHILD	0.48	4000.00	115.00	237.74	23.77	159.48	15.95	48.07	4.81	0.00		
T-38A/RANDOLPH	0.84	3000.00	130.00	345.71	0.00	046.72	0.00	250.22	0.00	0.05		
A-10A/MYRTLE BEACH	0.05	3500.00	115.00	196.72	177.05	105.91	95.34	103.32	93.00	0.16		
A-10A/DAVIS-MONTHAN	0.83	3000.00	111.00	469.57	328.70	228.61	60.00	228.61	60.00	0.04		

TABLE A-51 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 14H00 FLAPS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø11	Ø15	Ø17	Ø21	Ø27					
F-15A/LUKE	0.10	4000.00	2250.00	361.67	36.12	45.72	26.72					
F-15A/BITBURG	0.69	6000.00	2250.00	363.02	223.53	150.47	148.34					
B-52G/FAIRCHILD	3.67	1500.00	4000.00	365.27	36.53	13.15	4.43					
FB-111A/PLATTSBURGH	22.03	2400.00	2500.00	314.74	204.09	136.09	60.72					
C-141A/TRAVIS	28.56	1400.00	700.00	1369.84	1150.66	665.81	305.47					
KC-135A/FAIRCHILD	7.26	1750.00	4000.00	237.74	23.77	15.95	4.81					
T-38A/RANDOLPH	1.14	4000.00	3000.00	345.71	0.00	0.00	0.00					
A-10A/MYRTLE BEACH	0.05	4000.00	3500.00	196.72	177.05	95.34	93.00					
A-10A/DAVIS-MONTHAN	0.78	3500.00	3000.00	469.57	328.70	60.00	60.00					

TABLE A-62 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 41A00 ENVIRONMENTAL CONTROL

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
F-15A/LUKE												
F-15A/BITBURG		NO SIGNIFICANT OPERATIONAL PARAMETERS FOUND										
B-52G/FAIRCHILD												
FB-111A/PLATTSBURGH												
C-141A/TRAVIS												
KC-135A/FAIRCHILD												
T-38A/RANDOLPH												
A-10A/MYRTLE BEACH												
A-10A/DAVIS-MONTHAN												

TABLE A-53 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 42A00 AIRCRAFT POWER GENERATION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø02	Ø03	Ø05	Ø06	Ø07	Ø08	Ø14	Ø16	Ø32	Ø33	Ø35
F-15A/LUKE	0.17	3.67	1.10	150.00	3500.00	83.02	4000.00	31.50	325.54	2.00	1.26	1.97
F-15A/BITBURG	0.23	0.75	1.91	150.00	2500.00	82.14	6000.00	33.50	31.59	1.00	1.51	1.31
B-52G/FAIRCHILD	1.13	7.67	1.10	156.00	8750.00	92.00	1500.00	240.00	328.74	9.00	8.25	0.33
FB-111A/PLATTSBURGH	0.38	6.00	1.78	165.00	3800.00	79.00	2400.00	60.00	109.16	2.00	3.75	0.66
C-141A/TRAVIS	0.54	11.83	1.86	130.00	3800.00	75.83	1400.00	165.00	205.44	7.00	3.76	1.00
KC-135A/FAIRCHILD	0.53	20.33	1.20	150.00	9500.00	82.00	1750.00	127.50	202.08	6.00	4.95	0.04
T-38A/RANDOLPH	0.78	11.75	1.00	155.00	2700.00	100.00	4000.00	9.50	345.71	2.00	1.38	0.45
A-10A/MYRTLE BEACH	0.00	0.67	1.90	130.00	1700.00	82.00	4000.00	30.00	19.67	1.00	1.90	0.21
A-10A/DAVIS-MONTHAN	0.04	2.42	1.70	120.00	3750.00	70.00	3500.00	27.50	140.87	1.00	2.05	1.87

TABLE A-54 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 44A01 ANTI-COLLISION/NAVIGATION LIGHTS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø11	Ø15	Ø17	Ø21	Ø25	Ø27					
F-15A/LUKE	2.72	2250.00	361.67	36.12	45.72	267.17	26.72					
F-15A/BITBURG	1.47	2250.00	363.02	223.53	150.47	174.53	148.34					
B-52G/FAIRCHILD	0.33	4000.00	365.27	36.53	13.15	44.27	4.43					
FB-111A/PLATTSBURGH	3.09	2500.00	314.47	204.09	136.09	83.88	60.72					
C-141A/TRAVIS	4.75	700.00	1369.84	1150.66	665.81	364.03	305.47					
KC-135A/FAIRCHILD	0.04	4000.00	237.74	23.77	15.95	48.07	4.81					
T-38A/RANDOLPH	1.16	3000.00	345.71	0.00	0.00	250.22	0.00					
A-10A/MYRTLE BEACH	0.00	3500.00	196.72	177.05	95.34	103.32	93.00					
A-10A/DAVIS-MONTHAN	0.39	3000.00	469.57	328.70	60.00	228.61	60.00					

TABLE A-55 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 44A02 LANDING/TAXI LIGHTS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø08	Ø11	Ø15	Ø17	Ø21	Ø27					
F-15A/LUKE	0.38	4000.00	2250.00	361.67	36.12	45.72	26.72					
F-15A/BITBURG	0.50	6000.00	2250.00	363.02	223.53	150.47	148.34					
B-52G/FAIRCHILD	2.13	1500.00	4000.00	365.27	36.53	13.15	4.43					
FB-111A/PLATTSBURGH	6.72	2400.00	2500.00	314.47	204.09	136.09	60.72					
C-141A/TRAVIS	9.84	1400.00	700.00	1369.84	1150.66	665.81	305.47					
KC-135A/FAIRCHILD	0.96	1750.00	4000.00	237.74	23.70	15.95	4.81					
T-38A/RANDOLPH	0.73	4000.00	3000.00	345.71	0.00	0.00	0.00					
A-10A/MYRTLE BEACH	0.00	4000.00	3500.00	196.72	177.05	95.34	93.00					
A-10A/DAVIS-MONTHAN	0.21	3500.00	3000.00	469.57	328.70	60.00	60.00					

TABLE A-56 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 45A00 HYDRAULIC POWER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø05	Ø06	Ø08	Ø14	Ø25	Ø32	Ø33				
F-15A/LUKE	0.21	150.00	3500.00	4000.00	31.50	267.17	2.00	1.26				
F-15A/BITBURG	0.02	150.00	2500.00	6000.00	33.50	174.53	1.00	1.51				
B-52G/FAIRCHILD	1.57	156.00	8750.00	1500.00	240.00	44.27	9.00	8.25				
FB-111A/PLATTSBURGH	1.29	165.00	3800.00	2400.00	60.00	83.88	2.00	3.75				
C-141A/TRAVIS	0.20	130.00	3800.00	1400.00	165.00	364.03	7.00	3.76				
KC-135A/FAIRCHILD	1.22	150.00	9500.00	1750.00	127.50	48.07	6.00	4.95				
T-38A/RANDOLPH	0.23	155.00	2700.00	4000.00	9.50	250.22	2.00	1.38				
A-10A/MYRTLE BEACH	0.00	130.00	1700.00	4000.00	30.00	103.32	1.00	1.90				
A-10A/DAVIS-MONTHAN	0.17	120.00	3750.00	3500.00	27.50	228.61	1.00	2.05				

TABLE A-57 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 46A00 INTERNAL FUEL TANKS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø10	Ø11	Ø15	Ø17	Ø21	Ø27					
F-15A/LUKE	1.55	2000.00	2250.00	361.67	36.12	45.72	26.72					
F-15A/BITBURG	2.44	3800.00	2250.00	363.02	223.53	150.47	148.34					
B-52G/FAIRCHILD	1.66	2550.00	4000.00	365.27	36.53	13.15	4.43					
FB-111A/PLATTSBURGH	5.46	1650.00	2500.00	314.47	204.09	136.09	60.72					
C-141A/TRAVIS	5.03	3020.00	700.00	1369.84	1150.66	665.81	305.47					
KC-135A/FAIRCHILD	2.44	2900.00	4000.00	237.74	23.77	15.95	4.81					
T-38A/RANDOLPH	0.07	1590.00	3000.00	345.71	0.00	0.00	0.00					
A-10A/MYRTLE BEACH	0.05	408.75	3500.00	196.72	177.05	95.34	93.00					
A-10A/DAVIS-MONTHAN	0.17	1000.00	3000.00	469.57	328.70	60.00	60.00					

TABLE A-58 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 47A01 OXYGEN REGULATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER									
		Ø05	Ø30								
F-15A/LUKE	0.34	150.00	2.50								
F-15A/BITBURG	0.78	150.00	2.50								
B-52G/FAIRCHILD	0.34	156.00	0.84								
FB-111A/PLATTSBURGH	1.70	165.00	2.20								
C-141A/TRAVIS	0.33	130.00	0.89								
KC-135A/FAIRCHILD	0.22	150.00	0.90								
T-38A/RANDOLPH	0.45	155.00	1.63								
A-10A/MYRTLE BEACH	0.05	130.00	0.75								
A-10A/DAVIS-MONTHAN	0.39	120.00	0.75								

TABLE A-59 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 47A02 LOX CONVERTER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		Ø05	Ø06	Ø08	Ø14	Ø32	Ø33	Ø34				
F-15A/LUKE	0.14	150.00	3500.00	4000.00	31.50	2.00	1.26	0.10				
F-15A/BITBURG	0.31	150.00	2500.00	6000.00	33.50	1.00	1.51	0.09				
B-52G/FAIRCHILD	1.78	156.00	8750.00	1500.00	240.00	9.00	8.25	0.33				
FB-111A/PLATTSBURGH	0.97	165.00	3800.00	2400.00	60.00	2.00	3.75	0.13				
C-141A/TRAVIS	0.47	130.00	3800.00	1400.00	165.00	7.00	3.76	0.00				
KC-135A/FAIRCHILD	0.44	150.00	9500.00	1750.00	127.50	6.00	4.95	0.00				
T-38A/RANDOLPH	0.54	155.00	2700.00	4000.00	9.50	2.00	1.38	0.05				
A-10A/MYRTLE BEACH	0.05	130.00	1700.00	4000.00	30.00	1.00	1.90	0.16				
A-10A/DAVIS-MONTHAN	0.09	120.00	3750.00	3500.00	27.50	1.00	2.05	0.04				

TABLE A-60 SIGNIFICANT OPERATIONAL PARAMETER DATA

SUBSYSTEM: 49A00 OVERHEAT/FIRE DETECTION AND EXTINGUISHING

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (OPERATIONAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	OPERATIONAL CHARACTERISTIC PARAMETER I.D. NUMBER										
F-15A/LUKE		NO SIGNIFICANT OPERATIONAL PARAMETERS FOUND										
F-15A/BITBURG												
B-52G/FAIRCHILD												
FB-111A/PLATTSBURGH												
C-141A/TRAVIS												
KC-135A/FAIRCHILD												
T-38A/RANDOLPH												
A-10A/MYRTLE BEACH												
A-10A/DAVIS-MONTHAN												

APPENDIX A (Continued)

SIGNIFICANT PARAMETER DATA SETS FOR
GENERIC MAINTENANCE METRICS
AND WEIGHTINGS MODEL DEVELOPMENT

SIGNIFICANT ENVIRONMENTAL PARAMETER DATA SETS

APPENDIX A (Continued)

SIGNIFICANT PARAMETER DATA SETS FOR
GENERIC MAINTENANCE METRICS
AND WEIGHTINGS MODEL DEVELOPMENT

KEY TO SIGNIFICANT ENVIRONMENTAL PARAMETERS CONTAINED IN DATA SETS

I.D. NO.	PARAMETER	DIMENSION
E02	Base Altitude	Feet
E03	Runway Direction	Compass Degrees
E04	Distance to Mountains	Miles
E06	Number of Snow Days	Days/Yr
E07	Total Snow Fall	Inches
E08	Mean Snow Depth	Inches
E09	Number of Rain Days	Days/Yr
E12	Average Relative Humidity	Percent
E13	Number of Thunder Days	Days/Yr
E14	Number of Sleet Days	Days/Yr
E16	Predominate Wind Direction	Compass Degrees
E18	Maximum Crosswinds 10-19 MPH	Days/Yr
E19	Maximum Crosswinds 20-29 MPH	Days/Yr
E20	Maximum Crosswinds 30-39 MPH	Days/Yr
E21	Maximum Crosswinds 40-49 MPH	Days/Yr
E23	Mean Temperature	Degrees "F"
E24	Mean Minimum Temperature	Degrees "F"
E26	Days Max. Temp. was Above 80^{o} "F"	Days/Yr
E27	Days Min. Temp. was Below 32^{o} "F"	Days/Yr
E28	Total Number of Obstructions to Vision	Events/Yr
E30	Average Obstruction Type	Scaled Value
E31	Average Obstruction Severity	Scaled Value

TABLE A-61 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 23000 PROPULSION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13	E18	E20								
F-15A/LUKE	28.10	19.00	193.00	20.00								
F-15A/BITBURG	56.63	19.00	188.00	32.00								
B-52G/FAIRCHILD	116.87	10.00	198.00	26.00								
FB-111A/PLATTSBURGH	49.91	25.00	171.00	27.00								
C-141A/TRAVIS	-	-	-	-								
KC-135A/FAIRCHILD	77.52	10.00	148.00	26.00								
T-38A/RANDOLPH	18.88	47.00	222.00	21.00								
A-10A/MYRTLE BEACH	0.42	51.00	230.00	14.00								
A-10A/DAVIS-MONTHAN	8.74	51.00	200.00	23.00								

TABLE A-62 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 51A00 FLIGHT INDICATORS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E02	E03	E18	E19	E20						
F-15A/LUKE	1.58	1111.00	30.00	193.00	84.00	20.00						
F-15A/BITBURG	0.88	1228.00	240.00	188.00	106.00	32.00						
B-52G/FAIRCHILD	0.80	2472.00	230.00	198.00	95.00	26.00						
FB-111A/PLATTSBURGH	7.19	245.00	170.00	171.00	136.00	27.00						
C-141A/TRAVIS	6.63	62.00	30.00	123.00	146.00	79.00						
KC-135A/FAIRCHILD	0.70	2472.00	230.00	148.00	95.00	26.00						
T-38A/RANDOLPH	2.84	761.00	140.00	222.00	112.00	21.00						
A-10A/MYRTLE BEACH	0.05	35.00	350.00	230.00	105.00	14.00						
A-10A/DAVIS-MONTHAN	1.48	2705.00	120.00	200.00	113.00	23.00						

TABLE A-63 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 51E00 AIR DATA SYSTEM

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13	E18	E19	E20	E27						
F-15A/LUKE	1.38	19.00	193.00	84.00	20.00	0.00						
F-15A/BITBURG	0.94	19.00	188.00	106.00	32.00	53.00						
B-52G/FAIRCHILD	3.47	10.00	198.00	95.00	26.00	110.00						
FB-111A/PLATTSBURGH	7.13	25.00	171.00	136.00	27.00	138.00						
C-141A/TRAVIS	7.88	7.00	123.00	146.00	74.00	3.00						
KC-135A/FAIRCHILD	3.30	10.00	148.00	95.00	26.00	110.00						
T-38A/RANDOLPH	1.34	47.00	222.00	112.00	21.00	14.00						
A-10A/MYRTLE BEACH	0.05	51.00	230.00	105.00	14.00	31.00						
A-10A/DAVIS-MONTHAN	0.43	51.00	200.00	113.00	23.00	12.00						

TABLE A-64 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 51N00 HORIZONTAL SITUATION INDICATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E04	E13	E18	E19	E20						
F-15A/LUKE	1.28	10.00	19.00	193.00	84.00	20.00						
F-15A/BITBURG	2.09	35.00	19.00	188.00	106.00	32.00						
B-52G/FAIRCHILD	5.27	15.00	10.00	198.00	95.00	26.00						
FB-111A/PLATTSBURGH	2.25	30.00	25.00	171.00	136.00	27.00						
C-141A/TRAVIS	5.50	4.50	7.00	123.00	146.00	74.00						
KC-135A/FAIRCHILD	1.56	15.00	10.00	148.00	95.00	26.00						
T-38A/RANDOLPH	1.69	55.00	47.00	222.00	112.00	21.00						
A-10A/MYRTLE BEACH	0.00	225.00	51.00	230.00	105.00	14.00						
A-10A/DAVIS-MONTHAN	1.26	15.00	51.00	200.00	113.00	23.00						

TABLE A-65 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 52A00 AUTOPILOT

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E08	E18	E23	E24	E27						
F-15A/LUKE	1.21	0.00	193.00	69.00	57.00	0.00						
F-15A/BITBURG	0.88	3.14	188.00	48.00	43.00	53.00						
B-52G/FAIRCHILD	7.53	9.46	198.00	47.00	25.00	110.00						
FB-111A/PLATTSBURGH	9.91	9.90	171.00	45.00	1.00	138.00						
C-141A/TRAVIS	7.59	0.00	123.00	61.00	52.00	3.00						
KC-135A/FAIRCHILD	5.67	9.46	148.00	47.00	25.00	110.00						
T-38A/RANDOLPH	0.46	0.00	222.00	69.00	43.00	14.00						
A-10A/MYRTLE BEACH	0.11	0.35	230.00	66.00	41.00	31.00						
A-10A/DAVIS-MONTHAN	1.13	0.00	200.00	69.00	53.00	12.00						

TABLE A-66 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 63A00 UHF COMMUNICATION SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13	E18	E19	E20	E27	E30					
F-15A/LUKE	4.31	19.00	193.00	84.00	20.00	0.00	2.41					
F-15A/BITBURG	5.03	19.00	188.00	106.00	32.00	53.00	2.75					
B-52G/FAIRCHILD	6.93	10.00	198.00	95.00	26.00	110.00	3.05					
FB-111A/PLATTSBURGH	7.34	25.00	171.00	136.00	27.00	138.00	2.69					
C-141A/TRAVIS	24.00	7.00	123.00	146.00	74.00	3.00	2.94					
KC-135A/FAIRCHILD	12.26	10.00	148.00	95.00	26.00	110.00	3.05					
T-38A/RANDOLPH	4.25	47.00	222.00	112.00	21.00	14.00	3.14					
A-10A/MYRTLE BEACH	0.00	51.00	230.00	105.00	14.00	31.00	3.42					
A-10A/DAVIS-MONTHAN	0.00	51.00	200.00	113.00	23.00	12.00	2.91					

TABLE A-67 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 65A00 IFF TRANSPONDER SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E06	E09	E12	E13	E31						
F-15A/LUKE	0.90	0.00	50.00	27.00	19.00	228.95						
F-15A/BITBURG	2.22	62.00	202.00	69.00	19.00	2387.00						
B-52G/FAIRCHILD	2.47	77.00	140.00	55.00	10.00	1335.90						
FB-111A/PLATTSBURGH	3.03	89.00	145.00	61.00	25.00	1482.19						
C-141A/TRAVIS	2.44	0.00	69.00	50.00	7.00	755.58						
KC-135A/FAIRCHILD	1.07	77.00	140.00	55.00	10.00	1335.90						
T-38A/RANDOLPH	2.22	0.00	130.00	53.00	47.00	1218.32						
A-10A/MYRTLE BEACH	0.11	3.00	121.00	62.00	51.00	1032.84						
A-10A/DAVIS-MONTHAN	0.00	0.00	77.00	26.00	51.00	317.19						

TABLE A-68 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 71A00 INERTIAL NAVIGATION SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E14	E16	E21								
F-15A/LUKE	5.45	0.00	360.00	4.00								
F-15A/BITBURG	4.34	11.00	225.00	4.00								
B-52G/FAIRCHILD	-	-	-	-								
FB-111A/PLATTSBURGH	18.03	8.00	360.00	7.00								
C-141A/TRAVIS	0.31	0.00	225.00	0.00								
KC-135A/FAIRCHILD	-	-	-	-								
T-38A/RANDOLPH	0.00	2.00	180.00	1.00								
A-10A/MYRTLE BEACH	-	-	-	-								
A-10A/DAVIS-MONTHAN	-	-	-	-								

TABLE A-69 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 71C00 INSTRUMENT LANDING SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E19	E20								
F-15A/LUKE	0.52	30.00	84.00	20.00								
F-15A/BITBURG	0.03	240.00	106.00	32.00								
B-52G/FAIRCHILD	0.93	230.00	95.00	26.00								
FB-111A/PLATTSBURGH	1.00	170.00	136.00	27.00								
C-141A/TRAVIS	1.94	30.00	146.00	74.00								
KC-135A/FAIRCHILD	0.26	230.00	95.00	26.00								
T-38A/RANDOLPH	0.76	140.00	112.00	21.00								
A-10A/MYRTLE BEACH	-	-	-	-								
A-10A/DAVIS-MONTHAN	-	-	-	-								

TABLE A-70 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 71D00 TACAN SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E09	E13	E18	E19	E20					
F-15A/LUKE	1.93	30.00	50.00	19.00	193.00	84.00	20.00					
F-15A/BITBURG	1.56	240.00	202.00	19.00	188.00	106.00	32.00					
B-52G/FAIRCHILD	3.60	230.00	140.00	10.00	198.00	95.00	26.00					
FB-111A/PLATTSBURGH	1.75	170.00	145.00	25.00	171.00	136.00	27.00					
C-141A/TRAVIS	11.38	30.00	69.00	7.00	123.00	146.00	74.00					
KC-135A/FAIRCHILD	3.15	230.00	140.00	10.00	148.00	95.00	26.00					
T-38A/RANDOLPH	0.77	140.00	130.00	47.00	222.00	112.00	21.00					
A-10A/MYRTLE BEACH	0.00	350.00	121.00	51.00	230.00	105.00	14.00					
A-10A/DAVIS-MONTHAN	0.00	120.00	77.00	51.00	200.00	113.00	23.00					

TABLE A-71 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 71F00 ATTITUDE-HEADING REFERENCE SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E21	E27									
F-15A/LUKE	1.79	4.00	0.00									
F-15A/BITBURG	1.31	4.00	53.00									
B-52G/FAIRCHILD	5.20	2.00	110.00									
FB-111A/PLATTSBURGH	5.91	7.00	138.00									
C-141A/TRAVIS	0.09	0.00	3.00									
KC-135A/FAIRCHILD	1.70	2.00	110.00									
T-38A/RANDOLPH	4.24	1.00	14.00									
A-10A/MYRTLE BEACH	0.00	2.00	31.00									
A-10A/DAVIS-MONTHAN	1.61	3.00	12.00									

TABLE A-72 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 74F00 RADAR SET

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E13	E16	E18	E20						
F-15A/LUKE	13.24	30.00	19.00	360.00	193.00	20.00						
F-15A/BITBURG	11.13	240.00	19.00	225.00	188.00	32.00						
B-52G/FAIRCHILD	15.60	230.00	10.00	225.00	198.00	26.00						
FB-111A/PLATTSBURGH	15.53	170.00	25.00	360.00	171.00	27.00						
C-141A/TRAVIS	21.19	30.00	7.00	225.00	123.00	74.00						
KC-135A/FAIRCHILD	8.37	230.00	10.00	225.00	148.00	26.00						
T-38A/RANDOLPH	-	-	-	-	-	-						
A-10A/MYRTLE BEACH	0.00	350.00	51.00	180.00	230.00	14.00						
A-10A/DAVIS-MONTHAN	0.61	120.00	51.00	135.00	200.00	23.00						

TABLE A-73 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 11A01 RADOME

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E02	E03	E14	E18	E19	E20					
F-15A/LUKE	1.21	1111.00	30.00	0.00	193.00	84.00	20.00					
F-15A/BITBURG	1.16	1228.00	240.00	11.00	188.00	106.00	32.00					
B-52G/FAIRCHILD	0.53	2472.00	230.00	25.00	198.00	95.00	26.00					
FB-111A/PLATTSBURGH	2.16	245.00	170.00	8.00	171.00	136.00	27.00					
C-141A/TRAVIS	4.38	62.00	30.00	0.00	123.00	146.00	74.00					
KC-135A/FAIRCHILD	0.15	2472.00	230.00	25.00	198.00	95.00	26.00					
T-38A/RANDOLPH	0.65	761.00	140.00	2.00	222.00	112.00	21.00					
A-10A/MYRTLE BEACH												
A-10A/DAVIS-MONTHAN												

TABLE A-74 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 11A02 WINDSHIELD

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13	E18	E19	E20							
F-15A/LUKE	0.93	19.00	193.00	84.00	20.00							
F-15A/BITBURG	0.16	19.00	188.00	106.00	32.00							
B-52G/FAIRCHILD	0.33	10.00	198.00	95.00	26.00							
FB-111A/PLATTSBURGH	4.03	25.00	171.00	136.00	27.00							
C-141A/TRAVIS	7.31	7.00	123.00	146.00	74.00							
KC-135A/FAIRCHILD	2.52	10.00	198.00	95.00	26.00							
T-38A/RANDOLPH	0.18	47.00	222.00	112.00	21.00							
A-10A/MYRTLE BEACH	0.00	51.00	230.00	105.00	14.00							
A-10A/DAVIS-MONTHAN	0.20	51.00	200.00	113.00	23.00							

TABLE A-75 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 11K00 WINGS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13	E18	E19	E20							
F-15A/LUKE	13.97	19.00	193.00	84.00	20.00							
F-15A/BITBURG	7.56	19.00	188.00	106.00	32.00							
B-52G/FAIRCHILD	17.40	10.00	198.00	95.00	26.00							
FB-111A/PLATTSBURGH	26.25	25.00	171.00	136.00	27.00							
C-141A/TRAVIS	76.47	7.00	123.00	146.00	74.00							
KC-135A/FAIRCHILD	34.81	10.00	198.00	95.00	26.00							
T-38A/RANDOLPH	4.82	47.00	222.00	112.00	21.00							
A-10A/MYRTLE BEACH	0.53	51.00	230.00	105.00	14.00							
A-10A/DAVIS-MONTHAN	3.96	51.00	200.00	113.00	23.00							

TABLE A-76 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 12800 COCKPIT FURNISHINGS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E02	E03	E18	E19	E20						
F-15A/LUKE	0.10	1111.00	30.00	193.00	84.00	20.00						
F-15A/BITBURG	0.06	1228.00	240.00	188.00	106.00	32.00						
B-52G/FAIRCHILD	0.08	2472.00	230.00	198.00	95.00	26.00						
FB-111A/PLATTSBURGH	1.27	245.00	170.00	171.00	136.00	27.00						
C-141A/TRAVIS	3.65	62.00	30.00	123.00	146.00	74.00						
KC-135A/FAIRCHILD	0.19	2472.00	230.00	198.00	95.00	26.00						
T-38A/RANDOLPH	0.30	761.00	140.00	222.00	112.00	21.00						
A-10A/MYRTLE BEACH	0.00	35.00	350.00	230.00	105.00	14.00						
A-10A/DAVIS-MONTHAN	0.13	2705.00	120.00	200.00	113.00	23.00						

TABLE A-77 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 13A00 MAIN LANDING GEAR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E04	E13	E18	E20	E21					
F-15A/LUKE	12.14	30.00	10.00	19.00	193.00	20.00	4.00					
F-15A/BITBURG	8.69	240.00	35.00	19.00	188.00	32.00	4.00					
B-52G/FAIRCHILD	22.80	230.00	15.00	10.00	198.00	26.00	2.00					
FB-111A/PLATTSBURGH	10.47	170.00	30.00	25.00	171.00	27.00	7.00					
C-141A/TRAVIS	28.16	30.00	4.50	7.00	123.00	74.00	0.00					
KC-135A/FAIRCHILD	9.85	230.00	15.00	10.00	198.00	26.00	2.00					
T-38A/RANDOLPH	18.51	140.00	55.00	47.00	222.00	21.00	1.00					
A-10A/MYRTLE BEACH	0.51	350.00	225.00	51.00	230.00	14.00	2.00					
A-10A/DAVIS-MONTHAN	1.17	120.00	15.00	51.00	200.00	23.00	3.00					

TABLE A-78 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 13D00 BRAKES

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E16									
F-15A/LUKE	2.05	30.00	360.00									
F-15A/BITBURG	0.52	240.00	225.00									
B-52G/FAIRCHILD	1.57	230.00	225.00									
FB-111A/PLATTSBURGH	2.14	170.00	360.00									
C-141A/TRAVIS	1.36	30.00	225.00									
KC-135A/FAIRCHILD	0.80	230.00	225.00									
T-38A/RANDOLPH	1.95	140.00	180.00									
A-10A/MYRTLE BEACH	0.00	350.00	180.00									
A-10A/DAVIS-MONTHAN	0.00	120.00	135.00									

TABLE A-79 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 14C00 STABILATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E13	E18	E19	E20						
F-15A/LUKE	1.48	30.00	19.00	193.00	84.00	20.00						
F-15A/BITBURG	1.38	240.00	19.00	188.00	106.00	32.00						
B-52G/FAIRCHILD	0.20	230.00	10.00	198.00	95.00	26.00						
FB-111A/PLATTSBURGH	4.88	170.00	25.00	171.00	136.00	27.00						
C-141A/TRAVIS	11.75	30.00	7.00	123.00	146.00	74.00						
KC-135A/FAIRCHILD	3.96	230.00	10.00	198.00	95.00	26.00						
T-38A/RANDOLPH	1.61	140.00	47.00	222.00	112.00	21.00						
A-10A/MYRTLE BEACH	0.00	350.00	51.00	230.00	105.00	14.00						
A-10A/DAVIS-MONTHAN	0.13	120.00	51.00	200.00	113.00	23.00						

TABLE A- 80 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 14D00 RUDDER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E03	E09	E18	E19	E20	E24	E27				
F-15A/LUKE	0.93	30.00	50.00	193.00	84.00	20.00	58.00	0.00				
F-15A/BITBURG	0.50	240.00	202.00	188.00	106.00	32.00	44.00	53.00				
B-52G/FAIRCHILD	0.70	230.00	140.00	198.00	95.00	26.00	24.00	110.00				
FB-111A/PLATTSBURGH	0.38	170.00	145.00	171.00	136.00	27.00	1.00	138.00				
C-141A/TRAVIS	3.21	30.00	69.00	123.00	146.00	74.00	53.00	3.00				
KC-135A/FAIRCHILD	0.48	230.00	140.00	198.00	95.00	26.00	24.00	110.00				
T-38A/RANDOLPH	0.84	140.00	130.00	222.00	112.00	21.00	44.00	14.00				
A-10A/MYRTLE BEACH	0.05	350.00	121.00	230.00	105.00	14.00	42.00	31.00				
A-10A/DAVIS-MONTHAN	0.83	120.00	77.00	200.00	113.00	23.00	54.00	12.00				

TABLE A-81 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 14H00 FLAPS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E18	E19	E20								
F-15A/LUKE	1.10	193.00	84.00	20.00								
F-15A/BITBURG	0.69	188.00	106.00	32.00								
B-52G/FAIRCHILD	3.67	198.00	95.00	26.00								
FB-111A/PLATTSBURGH	22.03	171.00	136.00	27.00								
C-141A/TRAVIS	28.56	123.00	146.00	74.00								
KC-135A/FAIRCHILD	7.26	198.00	95.00	26.00								
T-38A/RANDOLPH	1.14	222.00	112.00	21.00								
A-10A/MYRTLE BEACH	0.05	230.00	105.00	14.00								
A-10A/DAVIS-MONTHAN	0.78	200.00	113.00	23.00								

TABLE A-82 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 41A00 ENVIRONMENTAL CONTROL

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E02	E19	E24								
F-15A/LUKE	0.03	1111.00	84.00	58.00								
F-15A/BITBURG	0.03	1228.00	106.00	44.00								
B-52G/FAIRCHILD	0.27	2472.00	95.00	24.00								
FB-111A/PLATTSBURGH	2.06	245.00	136.00	1.00								
C-141A/TRAVIS	0.81	62.00	146.00	53.00								
KC-135A/FAIRCHILD	0.00	2472.00	95.00	24.00								
T-38A/RANDOLPH	0.84	761.00	112.00	44.00								
A-10A/MYRTLE BEACH	0.00	35.00	105.00	42.00								
A-10A/DAVIS-MONTHAN	0.04	2705.00	113.00	54.00								

TABLE A-83 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 42A00 AIRCRAFT POWER GENERATION

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13										
F-15A/LUKE	0.17	19.00										
F-15A/BITBURG	0.23	19.00										
B-52G/FAIRCHILD	1.13	10.00										
FB-111A/PLATTSBURGH	0.38	25.00										
C-141A/TRAVIS	0.54	7.00										
KC-135A/FAIRCHILD	0.53	10.00										
T-38A/RANDOLPH	0.78	47.00										
A-10A/MYRTLE BEACH	0.00	51.00										
A-10A/DAVIS-MONTHAN	0.04	51.00										

TABLE A-84 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 44A01 NAVIGATION/ANTI-COLLISION LIGHTS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E02	E03	E16	E18	E19	E20	E30				
F-15A/LUKE	2.72	1111.00	30.00	360.00	193.00	84.00	20.00	2.41				
F-15A/BITBURG	1.47	1228.00	240.00	225.00	188.00	106.00	32.00	2.75				
B-52G/FAIRCHILD	0.33	2472.00	230.00	225.00	198.00	95.00	26.00	3.05				
FB-111A/PLATTSBURGH	3.09	245.00	170.00	360.00	171.00	136.00	27.00	2.69				
C-141A/TRAVIS	4.75	62.00	30.00	225.00	123.00	146.00	74.00	2.94				
KC-135A/FAIRCHILD	0.04	2472.00	230.00	225.00	198.00	95.00	26.00	3.05				
T-38A/RANDOLPH	1.16	761.00	140.00	180.00	222.00	112.00	21.00	3.14				
A-10A/MYRTLE BEACH	0.00	35.00	350.00	180.00	230.00	105.00	14.00	3.42				
A-10A/DAVIS-MONTHAN	0.39	2705.00	120.00	135.00	200.00	113.00	23.00	2.91				

TABLE A-85 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 44A02 LANDING/TAXI LIGHTS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E18	E19	E20								
F-15A/LUKE	0.38	193.00	84.00	20.00								
F-15A/BITBURG	0.50	188.00	106.00	32.00								
B-52G/FAIRCHILD	2.13	198.00	95.00	26.00								
FB-111A/PLATTSBURGH	6.72	171.00	136.00	27.00								
C-141A/TRAVIS	9.84	123.00	146.00	74.00								
KC-135A/FAIRCHILD	0.96	198.00	95.00	26.00								
T-38A/RANDOLPH	0.73	222.00	112.00	21.00								
A-10A/MYRTLE BEACH	0.00	230.00	105.00	14.00								
A-10A/DAVIS-MONTHAN	0.21	200.00	113.00	23.00								

TABLE A-86 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 45A00 HYDRAULIC POWER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E06	E07	E08	E14	E23	E24					
F-15A/LUKE	0.21	0.00	0.00	0.00	0.00	69.00	58.00					
F-15A/BITBURG	0.02	62.00	15.70	3.14	11.00	48.00	44.00					
B-52G/FAIRCHILD	1.57	77.00	47.30	9.46	25.00	47.00	24.00					
FB-111A/PLATTSBURGH	1.29	89.00	59.90	9.90	8.00	45.00	1.00					
C-141A/TRAVIS	0.20	0.00	0.00	0.00	0.00	61.00	53.00					
KC-135A/FAIRCHILD	1.22	77.00	47.30	9.46	25.00	47.00	24.00					
T-38A/RANDOLPH	0.23	0.00	0.00	0.00	2.00	69.00	44.00					
A-10A/MYRTLE BEACH	0.00	3.00	0.70	0.35	1.00	66.00	42.00					
A-10A/DAVIS-MONTHAN	0.17	0.00	0.00	0.00	0.00	69.00	54.00					

TABLE A-87 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 46A00 INTERNAL FUEL TANKS

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E13	E16	E18	E19	E20	E23	E26				
F-15A/LUKE	1.55	19.00	360.00	193.00	84.00	20.00	69.00	214.00				
F-15A/BITBURG	2.44	19.00	225.00	188.00	106.00	32.00	48.00	4.00				
B-52G/FAIRCHILD	1.66	10.00	225.00	198.00	95.00	26.00	47.00	52.00				
FB-111A/PLATTSBURGH	5.46	25.00	360.00	171.00	136.00	27.00	45.00	31.00				
C-141A/TRAVIS	5.03	7.00	225.00	123.00	146.00	74.00	61.00	108.00				
KC-135A/FAIRCHILD	2.44	10.00	225.00	198.00	95.00	26.00	47.00	52.00				
T-38A/RANDOLPH	0.07	47.00	180.00	222.00	112.00	21.00	69.00	205.00				
A-10A/MYRTLE BEACH	0.05	51.00	180.00	230.00	105.00	14.00	66.00	142.00				
A-10A/DAVIS-MONTHAN	0.17	51.00	135.00	200.00	113.00	23.00	69.00	199.00				

TABLE A-88 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 47A01 OXYGEN REGULATOR

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E06	E07	E16	E21	E23	E24	E27	E28			
F-15A/LUKE	0.34	0.00	0.00	360.00	4.00	69.00	58.00	0.00	95.00			
F-15A/BITBURG	0.78	62.00	15.70	225.00	4.00	48.00	44.00	53.00	869.00			
B-52G/FAIRCHILD	0.34	77.00	47.30	225.00	2.00	47.00	24.00	110.00	438.00			
FB-111A/PLATTSBURGH	1.70	89.00	59.90	360.00	7.00	45.00	1.00	138.00	551.00			
C-141A/TRAVIS	0.33	0.00	0.00	225.00	0.00	61.00	53.00	3.00	257.00			
KC-135A/FAIRCHILD	0.22	77.00	47.30	225.00	2.00	47.00	24.00	110.00	438.00			
T-38A/RANDOLPH	0.45	0.00	0.00	180.00	1.00	69.00	44.00	14.00	388.00			
A-10A/MYRTLE BEACH	0.05	3.00	0.70	180.00	2.00	66.00	42.00	31.00	302.00			
A-10A/DAVIS-MONTHAN	0.39	0.00	0.00	135.00	3.00	69.00	54.00	12.00	109.00			

TABLE A-89 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: 47A02 LOX CONVERTER

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E06	E07	E08	E14	E23	E24	E27				
F-15A/LUKE	0.14	0.00	0.00	0.00	0.00	69.00	58.00	0.00				
F-15A/BITBURG	0.31	62.00	15.70	3.14	11.00	48.00	44.00	53.00				
B-52G/FAIRCHILD	1.78	77.00	47.30	9.46	25.00	47.00	24.00	110.00				
FB-111A/PLATTSBURGH	0.97	89.00	59.90	9.90	8.00	45.00	1.00	138.00				
C-141A/TRAVIS	0.47	0.00	0.00	0.00	0.00	61.00	53.00	3.00				
KC-135A/FAIRCHILD	0.44	77.00	47.30	9.46	25.00	47.00	24.00	110.00				
T-38A/RANDOLPH	0.54	0.00	0.00	0.00	2.00	69.00	44.00	14.00				
A-10A/MYRTLE BEACH	0.05	3.00	0.70	0.35	1.00	66.00	42.00	31.00				
A-10A/DAVIS-MONTHAN	0.09	0.00	0.00	0.00	0.00	69.00	54.00	12.00				

TABLE A-90 SIGNIFICANT ENVIRONMENTAL PARAMETER DATA

SUBSYSTEM: OVERHEAT/FIRE DETECTION & EXTINGUISHING

GENERIC METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	ENVIRONMENTAL CHARACTERISTIC PARAMETER I.D. NUMBER										
		E07	E16	E18	E19	E21	E23	E24	E27			
F-15A/LUKE	0.07	0.00	360.00	193.00	84.00	4.00	69.00	58.00	0.00			
F-15A/BITBURG	0.08	15.70	225.00	188.00	106.00	4.00	48.00	44.00	53.00			
B-52G/FAIRCHILD	0.11	47.30	225.00	198.00	95.00	2.00	47.00	24.00	110.00			
FB-111A/PLATTSBURGH	0.30	59.90	360.00	171.00	136.00	7.00	45.00	1.00	138.00			
C-141A/TRAVIS	0.17	0.00	225.00	123.00	146.00	0.00	61.00	53.00	3.00			
KC-135A/FAIRCHILD	0.06	47.30	225.00	198.00	95.00	2.00	47.00	24.00	110.00			
T-38A/RANDOLPH	0.07	0.00	180.00	222.00	112.00	1.00	69.00	44.00	14.00			
A-10A/MYRTLE BEACH	0.04	0.70	180.00	230.00	105.00	2.00	66.00	42.00	31.00			
A-10A/DAVIS-MONTHAN	0.03	0.00	135.00	200.00	113.00	3.00	69.00	54.00	12.00			

APPENDIX B

ANNOTATED LISTING OF GENERIC MAINTENANCE METRICS AND WEIGHTINGS REGRESSION EQUATIONS

The tables contained in this appendix display the generic maintenance metrics and weightings multiple regression equations developed from the data sets of Appendix A. Each equation is annotated with statistics indicating how well it fits the input data and can be expected to estimate Maintenance Action Demand within the relevant range of the data. These statistics are:

- The Adjusted Multiple Correlation Coefficient.
- The Adjusted Standard Error of the Estimate.
- The Computed "T" Statistic for each included independent variable.

General remarks about each regression model are also included where appropriate.

Tables B-1 through B-15 present regression models for each of the thirty study equipments which estimate Maintenance Action Demand as a function of significant Equipment Parameters.

Tables B-16 through B-30 estimate MAD as a function of significant Operational Parameters for each equipment item.

Tables B-31 through B-45 estimate MAD as a function of significant Environmental Parameters for each equipment item.

MAINTENANCE METRICS MODELS
BASED ON
EQUIPMENT CHARACTERISTIC PARAMETERS

ESTIMATORS OF MAINTENANCE ACTION DEMAND FOR--

TABLE B-1

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: Propulsion System (WUC 23000)

Regression Equation: MAD=-44.142+0.421(P02)+0.192(P04)

Where -- P02-To No. of Installed Engines
P04-Weight Per Engine

Computed T = 2.044
Computed T = 3.274
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.829
Adjusted Standard Error = 25.827

Remarks: 1. Model based on 8 valid data points per input variable.
2. Developed from data set Table A-1.

Equipment Item: Flight Indicator (WUC 51A00)

Regression Equation: MAD=-0.557+0.720(A03)

Where -- A03 Equipment Weight

Computed T = 4.737
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.832
Adjusted Standard Error = 1.152

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-2.

TABLE B-2

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: Air Data System (WUC 51E00)

Regression Equation: MAD=+8.271+0.155(A03)-1.680(A07)-0.298(A16)-0.054(A19)

Where --	A03 - Equipment Weight	Computed T = 8.220
	A07 - Cooling Method	Computed T = 2.396
	A16 - On-Off Cycles Per Flying Hour	Computed T = 2.245
	A19 - Failure/Abort Rated	Computed T = 3.174
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.975
Adjusted Standard Error = 0.860

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-3.

Equipment Item: Horizontal Situation Indicator (WUC 51N00)

Regression Equation: MAD=+4.643-1.076(A07)-0.296(A16)+0.0065(A18)

Where --	A07 - Cooling Method	Computed T = -2.036
	A16 - On-Off Cycles Per Flying Hour	Computed T = -2.475
	A18 - Ground/Flight Operating Ratio	Computed T = +2.854
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.845
Adjusted Standard Error = 1.168

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-4.

TABLE B-3

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$$

Equipment Item: Autopilot (WUC 52A00)

Regression Equation: MAD=+39.196-1.163(A03)+0.032(A04)-2.885(A08)-3.698(A13)-0.262(A19)

Where --		
	A03 - Equipment Weight	Computed T = -6.998
	A04 - Equipment Volume	Computed T = +8.648
	A08 - Protection Devices	Computed T =-11.587
	A13 - Avg. Operating Time Per Sortie	Computed T = -9.365
	A19 - Failure/Abort Ratio	Computed T =-11.332
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.996
Adjusted Standard Error = 0.562

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-5.

Equipment Item: UHF Communication Set (WUC 63A00)

Regression Equation: MAD=-3.131+3.418(A03)-0.081(A04)-1.562(A05)

Where --		
	A03 - Equipment Weight	Computed T = +3.961
	A04 - Equipment Volume	Computed T = -3.511
	A05 - SRU Count	Computed T = -1.992
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.886
Adjusted Standard Error = 4.347

Remarks: 1. Model based on 10 valid data points per input variable.
2. Developed from data set Table A-6.

TABLE B-4

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: IFF Transponder Set (WUC 65A00)

Regression Equation: MAD=+1.147+0.377(A02)-0.0185(A09)

Where -- A02 = Equipment Location on ACFT.
A09 = Number of Test Points

Computed T = +2.917
Computed T = -3.196
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.845
Adjusted Standard Error = 0.684

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-7.

Equipment Item: Inertial Navigation Set (WUC 71A00)

Regression Equation: MAD=-0.034+0.346(A05)

Where -- A05 - SRU Count

Computed T = +9.230
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.983
Adjusted Standard Error = 1.563

Remarks: 1. Model based on 5 valid data points per input variable.
2. Developed from data set Table A-8.

TABLE B-5

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: Instrument Landing Set (WUC 71C00)

Regression Equation: MAD=-0.456+0.200(A02)+0.011(A06)+0.043(A15)

Where --	A02 - Equipment Location on Aircraft	Computed T = +3.237
	A06 - Operating Temperature	Computed T = +2.868
	A15 - Retest OK Rate	Computed T = +7.468
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.986
Adjusted Standard Error = 0.155

Remarks:
1. Model based on 6 valid data points per input variable.
2. Developed from data set Table A-9.

Equipment Item: TACAN Set (WUC 71D00)

Regression Equation: MAD=+0.366+0.174(A03)-0.159(A18)

Where --	A03 - Equipment Weight	Computed T = +3.639
	A18 - Ground/Flight Operating Ratio	Computed T = -3.438
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.881
Adjusted Standard Error = 2.283

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-10.

TABLE B-6

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+ \ldots B_{en}EQ_{en})$

Equipment Item: Attitude - Heading Reference Set (WUC 71F00)

Regression Equation: MAD=+6.371-1.022(A08)-0.074(A12)

Where --	A08 - Protection Devices	Computed T = -3.712
	A12 - Age Unreliability	Computed T = -2.528
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.808
Adjusted Standard Error = 1.400

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-11.

Equipment Item: RADAR Set (WUC 74F00)

Regression Equation: MAD=-139.80-5.896(A02)+0.211(A12)+1.837(A19)

Where --	A02 - Equipment Location on ACFT.	Computed T =-10.456
	A12 - Age Unreliability	Computed T = +5.613
	A19 - Failure/Abort Ratio	Computed T = +8.465
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.986
Adjusted Standard Error = 1.634

Remarks: 1. Model based on 8 valid data points per input variable.
2. Developed from data set Table A-12.

TABLE B-7

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+...B_{en}EQ_{en})$

Equipment Item: Radome (WUC 11A01)

Regression Equation: MAD=-0.16+0.2988(F08)

Where -- F08 - Type of Failure

Computed T = +3.371
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.573
Adjusted Standard Error = 1.090

Remarks: 1. Model based on 7 valid data points per input variable.
2. Developed from data set Table A-13.

Equipment Item: Windshield (WUC 11A02)

Regression Equation: MAD=+73.211+0.0069(F03)-0.7321(F07)

Where -- F03 - Equipment Weight
F07 - Support Equipment Reliability

Computed T = +1.187
Computed T = -2.452
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.846
Adjusted Standard Error = 1.538

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-14.

TABLE B-8

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+...B_{en}EQ_{en})$

Equipment Item: Wings (WUC 11K00)

Regression Equation: MAD=-2.8658+0.0263(F04)

Where -- F04 - Equipment Volume

Computed T = +8.325
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.953
Adjusted Standard Error = 7.687

Remarks: 1. Model ased on 9 valid data points per input variable.
2. Developed from data set Table A-15.

Equipment Item: Seats.(WUC 12B00) Cockpit Furnishings

Regression Equation: MAD=-0.4209+0.008(F11)

Where -- F11 - Ground to Flight Operating Ratio

Computed T = +4.341
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.854
Adjusted Standard Error = 0.662

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-16.

TABLE B-9

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: Main Landing Gear (WUC 13A00)

Regression Equation: MAD=-0.834+0.002(F03)+1.126(F06)+4.505(F13)-0.021(F22)

Where --			
	F03 - Equipment Weight	Computed T =	+4.136
	F06 - Support Equipment Complexity	Computed T =	+4.613
	F13 - Removals to Access Other Equipment	Computed T =	+7.570
	F22 - Landings Per Tire	Computed T =	-1.467
		Computed T =	
		Computed T =	
		Computed T =	

Adjusted Multiple Correlation Coefficient = 0.989
Adjusted Standard Error = 1.956

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-17.

Equipment Item: Brakes (WUC 13D00)

Regression Equation: MAD=+6.6688-0.0598(F09)

Where --			
	F09 - Flight Brake Squawk Verification Rate	Computed T =	+28.972
		Computed T =	
		Computed T =	
		Computed T =	
		Computed T =	
		Computed T =	
		Computed T =	

Adjusted Multiple Correlation Coefficient = -0.659
Adjusted Standard Error = 0.605

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-18.

TABLE B-10

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: Stabilator (WUC 14C00)

Regression Equation: MAD=-4.7109+0.0032(F03)+0.9834(F06)

Where -- F03 - Weight — Computed T = +4.916
F06 - Support Equipment Complexity — Computed T = +3.279
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.914
Adjusted Standard Error = 1.762

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-19.

Equipment Item: Rudder (WUC 14D00)

Regression Equation: None (No Correlated Data)

Where --
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient =
Adjusted Standard Error =

Remarks: 1. No equipment parameters found which were significantly correlated with Maintenance Action Demand over the 9 aircraft/base combinations investigated.

TABLE B-11

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$$

Equipment Item: Flaps (WUC 14H00)

Regression Equation: MAD=-10.1007+0.0099(F03)-0.0082(F04)+2.2542(F06)-0.2792(F08) +2.6026(F10)

Where --		
	F03 - Equipment Weight	Computed T = +12.185
	F04 - Equipment Volume	Computed T = -1.938
	F06 - Support Equipment Complexity	Computed T = +10.838
	F08 - Type of Failure	Computed T = -1.516
	F10 - On/Off Cycles Per Sortie	Computed T = +8.207
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.995
Adjusted Standard Error = 1.768

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-21.

Equipment Item: Water separator (WUC 41A00) Environmental Control

Regression Equation: MAD=-0.0517+0.1196(F08)

Where --		
	F08 - Type of Failure	Computed T = +2.952
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.651
Adjusted Standard Error = 0.495

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-22.

TABLE B-12

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$$

Equipment Item: Generator Assy. (WUC 42A00) Aircraft Power Generation

Regression Equation: MAD=+0.1755+1.0992(F13)

Where -- F13 - Removals to Access Other Equipment

Computed T = +4.101
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.840
Adjusted Standard Error = 0.213

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-23.

Equipment Item: Anti Collision Lights (WUC 44A01)

Regression Equation: MAD=+1.1342+0.2321(F03)-0.4572(F06)

Where -- F03 - Equipment Weight
F06 - Support Equipment Complexity

Computed T = +4.817
Computed T = -2.564
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.955
Adjusted Standard Error = 0.565

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-24.

TABLE B-13

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+...B_{en}EQ_{en})$

Equipment Item: Landing/Taxi Lights (WUC44A02)

Regression Equation: MAD=-1.4892+0.2112(F03)+32.8196(F13)

Where --		
F03 - Equipment Weight	Computed T =	+5.941
F13 - Removals to Access	Computed T =	+7.401
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.973
Adjusted Standard Error = 0.920

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-25.

Equipment Item: Hydraulic Pumps (WUC 45A00) Hydraulic Power

Regression Equation: MAD=+0.8148+0.0009(F04)-0.0630(F11)

Where --		
F04 - Equipment Volume	Computed T =	+2.169
F11 - Ground to Flight Operating Ratio	Computed T =	-2.345
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.761
Adjusted Standard Error = 0.467

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-26.

TABLE B-14

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+...B_{en}EQ_{en})$

Equipment Item: Fuel Tanks (WUC 46A00)

Regression Equation: MAD=-1.7168+0.6864(F16)

Where -- F16 - Equipment Protection Methodology

Computed T = +3.892
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.591
Adjusted Standard Error = 1.536

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-27.

Equipment Item: Oxygen Regulator (WUC 47A01)

Regression Equation: MAD=+1.4902-0.4519(F03)

Where -- F03 - Equipment Weight

Computed T = +6.050
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.615
Adjusted Standard Error = 0.362

Remarks:
1. Model based on 9 valid data points per input variable.
2 Developed from data set Table A-28.

TABLE B-15

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})$

Equipment Item: Lox Converter (WUC 47A02)

Regression Equation: MAD=-0.336+0.1324(F08)

Where --	F08 - Type of Failure	Computed T = +3.698
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.813
Adjusted Standard Error = 0.340

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-29.

Equipment Item: Engine Fire Detection (WUC 49A00)

Regression Equation: MAD=+0.0686-0.0322(F04)+0.0093(F08)

Where --	F04 - Equipment Volume	Computed T = -2.400
	F08 - Type of Failure	Computed T = +1.805
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.769
Adjusted Standard Error = 0.062

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-30.

MAINTENANCE METRICS MODELS

BASED ON

OPERATIONAL CHARACTERISTIC PARAMETERS

ESTIMATORS OF MAINTENANCE ACTION DEMAND FOR--

TABLE B-16

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: Propulsion System (WUC 23000)

Regression Equation: MAD=-73.317+0.034(Ø10)-1.013(Ø14)+0.303(Ø27)+11.756(Ø32)+25.771(Ø33)

Where --		
	Ø10 - Avg. Cruise Altitude	Computed T = +5.010
	Ø14 - Avg. Landing Wt.	Computed T = -2.639
	Ø27 - Operations Sorties Per Acft.	Computed T = +2.571
	Ø32 - Acft. Crew Size	Computed T = +1.503
	Ø33 - Avg. Sortie Length	Computed T = +3.606
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.990
Adjusted Standard Error = 10.203

Remarks: 1. Model based on 8 valid data points per input variable.
2. Developed form data set Table A-31.

Equipment Item: Flight Indicators (WUC 51A00)

Regression Equation: MAD=-17.267+0.003(Ø11)+0.002(Ø13)+0.0086(Ø17)+0.020(Ø25)

Where --		
	Ø11 - Avg. Descent Rate	Computed T = +2.498
	Ø13 - Minimum Landing Distance	Computed T = +5.487
	Ø17 - Operations Flying Hours Per ACFT.	Computed T = +4.420
	Ø25 - Total Sorties Per ACFT.	Computed T = +2.655
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.958
Adjusted Standard Error = 1.069

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-32.

TABLE B-17

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Air Data System (WUC 51E00)

Regression Equation: MAD=+4.628-0.0017(Ø08)+0.0013(Ø13)-0.312(Ø23)

Where --		
	Ø08 - Avg. Climb Rate	Computed T = -3.624
	Ø13 - Minimum Landing Distance	Computed T = +2.707
	Ø23 - Avg. No. of ACFT. on Alert	Computed T = -1.391
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.872
Adjusted Standard Error = 1.779

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-33.

Equipment Item: Horizontal Situation Indicator (WAC 51N00)

Regression Equation: MAD=+1.378+0.036(Ø14)-0.615(Ø33)

Where --		
	Ø14 - Avg. Landing Wt.	Computed T = +2.962
	Ø33 - Avg. Sortie Length	Computed T = -1.458
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.866
Adjusted Standard Error = 1.069

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-34.

TABLE B-18

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: Autopilot (WUC 52A00)

Regression Equation: MAD=+7.294-0.0015(Ø08)+0.388(Ø23)

Where --		
	Ø08 - Avg. Climb Rate	Computed T = -2.869
	Ø23 - Avg. No. of ACFT. on Alert	Computed T = +2.283
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.884
Adjusted Standard Error = 2.054

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-35.

Equipment Item: UHF Communication Set (WUC 63A00)

Regression Equation: MAD=+10.022-0.002(Ø08)+0.910(Ø18)

Where --		
	Ø08 - Avg. Climb Rate	Computed T = -2.482
	Ø18 - Misc. Flying Hours Per ACFT.	Computed T = +4.164
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.905
Adjusted Standard Error = 3.611

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-36.

TABLE B-19

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: IFF Transponder Set (WUC 65A00)

Regression Equation: MAD=-14.439+0.260(Ø05)-0.017(Ø09)-0.119(Ø12)-0.706(Ø30)

Where --		
Ø05 - Avg. Take-Off Speed	Computed T =	+2.575
Ø09 - Avg. Cruise Speed	Computed T =	-1.822
Ø12 - Avg. Landing Speed	Computed T =	-2.124
Ø30 - Maximum ACFT. Speed	Computed T =	-1.237
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.790
Adjusted Standard Error = 0.962

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-37.

Equipment Item: Inertial Navigation Set (WUC 71A00)

Regression Equation: MAD=-10.681+0.004(Ø13)

Where --		
Ø13 - Minimum Landing Distance	Computed T =	+7.401
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.974
Adjusted Standard Error = 1.931

Remarks: 1. Model based on 5 valid data points per input variable.
2. Developed from data set Table A-38.

TABLE B-20

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Instrument Landing Set (WUC 71C00)

Regression Equation: MAD=-0.035+0.0024(Ø15)-0.0044(Ø27)-0.0025(Ø32)

Where -- Ø15 - Total Flying Hours Per ACFT.
Ø27 - Operations Sorties Per ACFT.
Ø32 - ACFT. Crew Size

Computed T = +2.155
Computed T = -1.182
Computed T = -0.040
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.846
Adjusted Standard Error = 0.468

Remarks: 1. Model based on 7 valid data points per input variable.
2. Developed from data set Table A-39.

Equipment Item: Tacan Set (WUC 71D00)

Regression Equation: MAD=-2.056+0.0074(Ø15)+0.425(Ø32)

Where -- Ø15 - Total Flying Hours Per ACFT.
Ø32 - ACFT. Crew Size

Computed T = +7.230
Computed T = +3.563
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.968
Adjusted Standard Error = 1.003

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-40.

TABLE B-21

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Attitude - Heading Reference Set (WUC 71F00)

Regression Equation: MAD=-13.778+0.112(Ø05)

Where --		
Ø05 - Avg. Take-Off Speed	Computed T =	+3.187
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.769
Adjusted Standard Error = 1.475

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-41.

Equipment Item: Radar Set (WUC 74F00)

Regression Equation: MAD=+12.669+0.006(Ø10)-0.0045(Ø11)

Where --		
Ø10 - Avg. Cruise Altitude	Computed T =	+3.424
Ø11 - Avg. Descent Rate	Computed T =	-3.217
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.870
Adjusted Standard Error = 4.331

Remarks:
1. Model based on 8 valid data points per input variable.
2. Developed from data set Table A-42.

TABLE B-22

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: Radome (WUC 11A01)

Regression Equation: MAD=-10.099+0.104(Ø05)-0.051(Ø12)+0.0062(Ø21)+0.0046(Ø25)

Where --		
	Ø05 - Avg. Take-Off Speed	Computed T = +5.828
	Ø12 - Avg. Landing Speed	Computed T = -2.685
	Ø21 - Operations Landings Per ACFT.	Computed T = +10.354
	Ø25 - Total Sorties Per ACFT.	Computed T = +4.390
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.996
Adjusted Standard Error = 0.218

Remarks:
1. Model based on 7 valid data points per input variable.
2. Developed from data set Table A-43.

Equipment Item: Windshields (WUC 11A02)

Regression Equation: MAD=+2.6135-0.0056(Ø15)+0.0400(Ø21)-0.0463(Ø27)

Where --		
	Ø15 - Total Flying Hours Per ACFT.	Computed T = -2.145
	Ø21 - Operations Landings Per ACFT.	Computed T = +5.019
	Ø27 - Operations Sorties Per ACFT.	Computed T = -4.239
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.956
Adjusted Standard Error = 0.922

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-49.

TABLE B-23

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: Wings (WUC 11K)

Regression Equation: MAD=+94.2723+0.2681(Ø02)-0.0113(Ø08)+0.0078(Ø10)-0.4550(Ø12)-0.1245(Ø14)-0.0382(Ø17)+0.1199(Ø21)

Where --		
Ø02 - Years Aft Have Been on Base	Computed T =	+1.704
Ø08 - Avg. Climb Rate	Computed T =	-9.733
Ø10 - Avg. Cruise altitude	Computed T =	+7.537
Ø12 - Avg. Landing Speed	Computed T =	-3.673
Ø14 - Avg. Landing Wt.	Computed T =	-6.552
Ø17 - Operations Flying Hours Per ACFT.	Computed T =	-4.456
Ø21 - Operations Landings Per ACFT.	Computed T =	+8.950

Adjusted Multiple Correlation Coefficient = 0.999
Adjusted Standard Error = 2.886

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-45.

Equipment Item: Seats (WUC 12B) Cockpit Furnishings

Regression Equation: MAD=-2.0778+0.0005(Ø08)+0.0129(Ø12)+0.0032(Ø17)+0.0158(Ø21)-0.0043(Ø25)-0.0307(Ø27)

Where --		
Ø08 - Avg. Climb Rate	Computed T =	+4.475
Ø12 - Avg. Landing Speed	Computed T =	+2.269
Ø17 - Operations Flying Hours Per ACFT.	Computed T =	+7.672
Ø21 - Operations Landings Per ACFT.	Computed T =	+10.306
Ø25 - Total Sorties Per ACFT.	Computed T =	-5.523
Ø27 - Operations Sorties Per ACFT.	Computed T =	-7.290
	Computed T =	

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.060

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-46.

TABLE B-24

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Main Landing Gear (WUC 13A)

Regression Equation: MAD=-5.1619+0.0021(Ø10)+0.2407(Ø14)-0.0211(Ø15)+0.0343(Ø16)+0.0218(Ø19)+0.0368(Ø21)-4.6455(Ø32)

Where --		
	Ø10 - Avg. Cruise Altitude	Computed T = +4.652
	Ø14 - Avg. Landing Wt.	Computed T = +5.874
	Ø15 - Total Flying HOurs Per ACFT.	Computed T = -3.838
	Ø16 - Training Flying Hours Per ACFT.	Computed T = +3.756
	Ø19 - Total Landings Per ACFT.	Computed T = +6.528
	Ø21 - Operations Landings Per ACFT.	Computed T = +3.652
	Ø32 - ACFT Crew Size	Computed T = -4.457

Adjusted Multiple Correlation Coefficient = 0.996
Adjusted Standard Error = 2.277

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-47.

Equipment Item: Brakes (WUC 13D)

Regression Equation: MAD=-12.007+2.1964(Ø03)+0.077(Ø05)+0.0059(Ø09)+0.0046(Ø16)-0.0023(Ø20)+0.0138(Ø26)-0.001(Ø31)

Where --		
	Ø03 - Avg. Mission Mix	Computed T = +21.751
	Ø05 - Avg. Take-Off Speed	Computed T = +31.453
	Ø09 - Avg. Cruise Speed	Computed T = +5.528
	Ø16 - Training Flying Hours Per ACFT.	Computed T = +8.974
	Ø20 - Training Landings Per ACFT.	Computed T = -12.578
	Ø26 - Training Sorties Per ACFT.	Computed T = +14.143
	Ø31 - ACFT Service Ceiling	Computed T = -9.042

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.072

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-48.

TABLE B-25

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Stabilator (WUC 14C00)

Regression Equation: MAD=+1.5652+0.0361(Ø21)-0.0447(Ø27)

Where -- Ø21 - Operations Landings Per ACFT. Computed T = +4.691
Ø27 - Operations Sorties Per ACFT. Computed T = -2.743
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.943
Adjusted Standard Error = 1.448

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-49.

Equipment Item: Rudder (WUC 14D00)

Regression Equation: MAD=-0.4337+0.0039(Ø15)-0.0015(Ø17)-0.6222(Ø34)

Where -- Ø15 - Total Flying Hours Per ACFT. Computed T = +16.622
Ø17 - Operations Flying Hours Per ACFT. Computed T = -6.231
Ø34 - accidents (Major/Minor) Per ACFT. Computed T = -2.279
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.997
Adjusted Standard Error = 0.084

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-50.

TABLE B-26

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: Flaps (WUC 14H00)

Regression Equation: MAD=+13.1908-0.0313(Ø15)+0.1853(Ø21)-0.2099(Ø27)

Where --		
Ø15 - Total Flying Hours Per ACFT.	Computed T =	-2.050
Ø21 - Operations Landings Per ACFT.	Computed T =	+3.994
Ø27 - Operations sorties Per ACFT.	Computed T =	-3.306
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.918
Adjusted Standard Error = 5.363

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-51.

Equipment Item: Water Separator (WUC 41A00) Environmental Control

Regression Equation: None (No Correlated Data)

Where --

Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient =
Adjusted Standard Error =

Remarks:
1. No operational parameters found which were significantly correlated with Maintenance Action Demand over the 9 aircraft/base combinations investigated.

TABLE B-27

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Generator Assy. (WUC 42A00) Aircraft Power

Regression Equation: MAD=-1.7639+0.023(Ø07)+0.0817(Ø32)

Where --	Ø07 - Avg Take-Off wt as Percent of Max. Take-Off Wt.	Computed T = +4.010
	Ø32 - ACFT Crew Size	Computed T = +4.977
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.937
Adjusted Standard Error = 0.149

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed form data set Table A-53.

Equipment Item: Anti-Collision Lights (WUC 44A01)

Regression Equation: MAD=+9.3845-0.0022(Ø11)+0.0079(Ø21)-0.0061(Ø25)-0.0201(Ø27)

Where --	Ø11 - Avg Descent Rate	Computed T = -13.628
	Ø21 - Operations Landings Per ACFT.	Computed T = +7.347
	Ø25 - Total Sorties Per ACFT.	Computed T = -5.838
	Ø27 - Operations Sorties Per ACFT.	Computed T = -9.052
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.995
Adjusted Standard Error = 0.228

Remarks: 1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-54.

TABLE B-28

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD' = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Landing/Taxi Lights (WUC 44A02)

Regression Equation: MAD=+3.3516-0.0071(Ø15)+0.0522(Ø21)-0.0597(Ø27)

Where --		
Ø15 - Total Flying Hours Per ACFT.	Computed T =	-1.426
Ø21 - Operations Landings Per ACFT.	Computed T =	+3.469
Ø27 - Operations Sorties Per ACFT.	Computed T =	-2.899
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.919
Adjusted Standard Error = 1.740

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-55.

Equipment Item: Hydraulic Pumps (WUC 45A00) Hydraulic Power

Regression Equation: MAD=-1.7478+0.0167(Ø05)+0.0001(Ø06)-0.0002(Ø08)+0.0021(Ø14)-0.1828(Ø32)+0.1715(Ø33)

Where --		
Ø05 - Avg. Take-Off Speed	Computed T =	+14.508
Ø06 - Median Take-Off Distance	Computed T =	+7.074
Ø08 - Avg. Climb Rate	Computed T =	-10.867
Ø14 - Avg. Landing Wt.	Computed T =	+1.438
Ø32 - ACFT Crew Size	Computed T =	-6.097
Ø33 - Avg.Sortie Length	Computed T =	+5.591
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.999
Adjusted Standard Error = 0.059

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-56.

TABLE B-29

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$$

Equipment Item: Fuel Tanks (WUC 46A00)

Regression Equation: MAD=+7.8102+0.0014(Ø10)-0.0012(Ø11)-0.0172(Ø15)+0.0145(Ø17)+0.0311(Ø21) -0.0646(Ø27)

Where --		
Ø10 - Avg. Cruise Altitude	Computed T =	+2.704
Ø11 - Avg. Descent Rate	Computed T =	-1.663
Ø15 - Total Flying Hours Per ACFT.	Computed T =	-3.095
Ø17 - Operations Flying Hours Per ACFT.	Computed T =	+1.751
Ø21 - Operations Landings Per ACFT.	Computed T =	+2.892
Ø27 - Operations Soties Per ACFT.	Computed T =	-3.292
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.909
Adjusted Standard Error = 1.682

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-57.

Equipment Item: Oxygen Regulator (WUC 47A01)

Regression Equation: MAD=-0.0196+0.3685(Ø30)

Where --		
Ø30 - Maximum ACFT Speed	Computed T =	+1.908
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.585
Adjusted Standard Error = 0.422

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-58.

TABLE B-30

GENERIC MAINTENANCE METRIC MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant operational parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})$

Equipment Item: Lox Converter (WUC 47A02)

Regression Equation: MAD=-2.041+0.0147(Ø05)-0.0001(Ø06)+0.282(Ø33)

Where --		
	Ø05 - Avg. Take-Off Speed	Computed T = +3.496
	Ø06 - Median Take-Off Distance	Computed T = -2.588
	Ø33 - Avg. Sortie Length	Computed T = +5.843
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.960
Adjusted Standard Error = 0.195

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-59.

Equipment Item: Engine Fire Detection (WUC 49A00)

Regression Equation: None (No Correlated Data)

Where --	
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =

Adjusted Multiple Correlation Coefficient =
Adjusted Standard Error =

Remarks:
1. No operational parameters found which wer significantly correlated with Maintenance Action Demand over the 9 aircraft/base combinations investigated.

MAINTENANCE METRICS MODELS

BASED ON

ENVIRONMENTAL CHARACTERISTICS PARAMETERS

ESTIMATORS OF MAINTENANCE ACTION DEMAND FOR--

TABLE B-31

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$

Equipment Item: Propulsion System (WUC 23000)

Regression Equation: MAD=+99.239-1.883(E13)

Where -- E13 - No. Thunder Days

Computed T = 4.157
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.862
Adjusted Standard Error = 21.388

Remarks: 1. Model based on 8 valid data points per input variable.

2. Developed from data set Table A-61.

Equipment Item: Flight Indicators (WUC 51A00)

Regression Equation: MAD=-7.598-0.008(E03)+0.104(E19)

Where -- E03 - Runway Direction
E19 - Days Maximum Crosswind's (20-29 MPH)

Computed T = -1.879
Computed T = +4.634
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.906
Adjusted Standard Error = 1.290

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-62.

TABLE B-32

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Air Data System (WUC 51E00)

Regression Equation: MAD=-7.571-0.132(E13)+0.146(E19)-0.071(E20)

Where --		
E13 - No. of Thunder Days		Computed T = -4.317
E19 - Days Maximum Crosswind's (20-29 MPH)		Computed T = +4.488
E20 - Days Maximum Crosswind's (30-39 MPH)		Computed T = -1.619
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.943
Adjusted Standard Error = 1.205

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-63.

Equipment Item: Horizontal Situation Indicator (WUC 51N00)

Regression Equation: MAD=-5.866-0.074(E13)+0.039(E18)+0.097(E20)

Where --		
E13 - No. of Thunder Days		Computed T = -2.165
E18 - Days Maximum Crosswind's (10-19 MPH)		Computed T = +1.550
E20 - Days Maximum Crosswind's (30-39 MPH)		Computed T = +2.513
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.829
Adjusted Standard Error = 1.310

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-64.

TABLE B-33

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Autopilot (WUC 52A00)

Regression Equation: MAD=+12.681+0.474(E08)-0.057(E18)

Where -- E08 - Mean Snow Depth
C18 - Day's Maximum Crosswind's (10-19 MPH)

Computed T = +2.734
Computed T = -2.411
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.850
Adjusted Standard Error = 2.316

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-65.

Equipment Item: UHF Communication Set (WUC 63A00)

Regression Equation: MAD=-2.359-0.258(E13)-0.089(E18)+0.118(E19)
-0.039(E27)+7.457(E30)

Where -- E13 - No. of Thunder Days
E18 - Day's Maximum Crosswind's (10-19 MPH)
E19 - Day's Maximum Crosswind's (20-29 MPH)
E27 - Day's Minimum Temperature Was Below 32°"F"
E30 - Predominate Type of Obstruction

Computed T = -2.954
Computed T = -1.804
Computed T = +2.176
Computed T = -2.462
Computed T = +2.599
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.969
Adjusted Standard Error = 2.966

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-66.

TABLE B-34

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: IFF Transponder Set (WUC 65A00)

Regression Equation: MAD=+2.930+0.012(E06)-0.0535(E09)+0.0042(E31)

Where --		
E06 - No. of Snow Days	Computed T = +1.151
E09 - No. of Rain Days	Computed T = -1.941
E31 - Avg. Obstruction Severity	Computed T = +2.154
	Computed T =
	Computed T =
	Computed T =
	Computed T =

Adjusted Multiple Correlation Coefficient = 0.705
Adjusted Standard Error = 0.994

Remarks:
1. Model based on 9 valid data points per input variable.
2. Developed from data set Table A-67

Equipment Item: Inertial Navigation Set (WUC 71A00)

Regression Equation: MAD=-2.203+2.447(E21)

Where --	
E21 - Days Maximum Crosswind's (40-49 MPH)	Computed T = +4.217
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =

Adjusted Multiple Correlation Coefficient = 0.925
Adjusted Standard Error = 3.220

Remarks:
1. Model based on 5 valid data points per input variable.
2. Developed from data set Table A-68.

TABLE B-35

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+...B_{nn}EN_{nn})$$

Equipment Item: Instrument Landing Set (WUC 71C00)

Regression Equation: MAD=-0.031+0.025(E20)

Where -- E20 - Days Maximum Crosswind's (30-39 MPH)	Computed T = +2.597
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =
	Computed T =

Adjusted Multiple Correlation Coefficient = 0.758
Adjusted Standard Error = 0.444

Remarks: 1. Model based on 7 valid data points per input variable.

2. Developed from data set Table A-69

Equipment Item: TACAN Set (WUC 71D00)

Regression Equation: MAD=+0.875+0.007(E03)-0.022(E09)-0.0596(E13)+0.163(E20)

Where -- E03 - Runway Direction	Computed T = +1.575
E09 - No. of Rain Days	Computed T = -2.367
E13 - No. of Thunder Days	Computed T = -2.993
E20 - Days Maximum Crosswinds (30-39 MPH)	Computed T = +7.445
	Computed T =
	Computed T =
	Computed T =

Adjusted Multiple Correlation Coefficient = 0.978
Adjusted Standard Error = 1.025

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-70.

TABLE B-36

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$

Equipment Item: Attitude-Heading Reference Set (WUC 71F00)

Regression Equation: MAD=+1.093+0.0255(E27)

Where --		
E27 - Day's Minimum Temperature was below 32°F	Computed T =	+2.143
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.629
Adjusted Standard Error = 1.794

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-71

Equipment Item: Radar Set (WUC 74F00)

Regression Equation: MAD=-17.455-0.233(E13)+0.042(E16)+0.083(E18)+0.284(E20)

Where --		
E13 - No. of Thunder Days	Computed T =	-3.012
E16 - Predominate Wind Direction	Computed T =	+3.178
E18 - Days Maximum Crosswinds (10-19 MPH)	Computed T =	+1.536
E20 - Days Maximum Crosswinds (30-39 MPH)	Computed T =	+3.315
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.963
Adjusted Standard Error = 3.056

Remarks: 1. Model based on 8 valid data points per input variable.

2. Developed from data set Table A-72.

TABLE B-37

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Radome (WUC 11A01)

Regression Equation: MAD=+5.8181 -0.0006(E02)-0.0234(E18)+0.0192(E20)

Where --	E02 - Base Altitude	Computed T = -5.132
	E18 - Days Maximum Crosswinds (10-19 MPH)	Computed T = -3.324
	E20 - Days Maximum Crosswinds (30-39 MPH)	Computed T = +1.743
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.992
Adjusted Standard Error = 0.261

Remarks: 1. Model based on 7 valid data points per input variable.

2. Developed from data set Table A-73.

Equipment Item: Windshield (WUC 11A02)

Regression Equation: MAD=+15.5688-0.0722(E18)

Where --	E18 - Days Maximum Crosswinds (10-19 MPH)	Computed T = -5.385
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.898
Adjusted Standard Error = 1.177

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-74.

TABLE B-38

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{n1}EN_{n1}+...B_{nn}EN_{nn})$

Equipment Item: Wings (WUC 11K00)

Regression Equation: MAD=-0.5229-0.3386(E13)+1.032(E20)

Where -- E13 - No. of Thunder Days — Computed T = -1.462
E20 - Days Maximum Crosswinds (30-39 MPH) — Computed T = +4.285
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.921
Adjusted Standard Error = 10.663

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-75.

Equipment Item: Seats (WUC 12B00) Cockpit Furnishings

Regression Equation: MAD=-3.0919+0.0216(E19)+0.0462(E20)

Where -- E19 - Days Maximum Crosswinds (20-29 MPH) — Computed T = +2.469
E20 - Days Maximum Crosswinds (30-39 MPH) — Computed T = +4.666
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.961
Adjusted Standard Error = 0.380

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-76.

TABLE B-39

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Main Landing Gear (WUC 13A00)

Regression Equation: MAD=+2.0616+0.3565(E20)

Where -- E20 - Days Maximum Crosswinds (30-39 MPH)

Computed T = +2.424
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.676
Adjusted Standard Error = 7.296

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-77.

Equipment Item: Brakes (WUC 13D00)

Regression Equation: MAD=+0.0304-0.0026(E03)+0.0067(E16)

Where -- E03 - Runway Direction
E16 - Predominate Wind Direction

Computed T = -1.158
Computed T = +2.198
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.733
Adjusted Standard Error = 0.670

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-78.

TABLE B-40

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Stabilator (WUC 14C00)

Regression Equation: MAD=-2.8538+0.1942(E20)

Where -- E20 -- Days Maximum Crosswinds (30-39 MPH) Computed T = +5.723
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.908
Adjusted Standard Error = 1.684

Remarks: 1. Model based on 9 significant data points per input variable.

2. Developed from data set Table A-79.

Equipment Item: Rudder (WUC 14D00)

Regression Equation: MAD=-2.6783-0.0023(E03)-0.0038(E09)+0.0136(E18)+0.0614(E24)

Where -- E03 - Runway Direction Computed T = -4.229
E09 - No. of Rain Days Computed T = -3.824
E18 - Days Maximum Crosswinds (10-19 MPH) Computed T = +4.851
E24 - Mean Minimum Temperature Computed T = +13.695
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.996
Adjusted Standard Error = 0.112

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-80.

TABLE B-41

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$

Equipment Item: Flaps (WUC 14H00)

Regression Equation: MAD=+18.583-0.1954(E18)+0.2366(E19)

Where --		
	E18 - Days Maximum Crosswinds (10-19 MPH)	Computed T = -2.835
	E19 - Days Maximum Crosswinds (20-29 MPH)	Computed T = +2.197
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.921
Adjusted Standard Error = 4.769

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-81

Equipment Item: Water Separator (WUC 41A00) Environmental Control

Regression Equation: MAD=-1.249+0.022(E19)-0.0188(E24)

Where --		
	E19 - Days Maximum Crosswinds (20-29 MPH)	Computed T = +3.070
	E24 - Mean Minimum Temperature	Computed T = -2.441
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.849
Adjusted Standard Error = 0.423

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-82.

TABLE B-42

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Generator Assy. (WUC 42A00) Aircraft Power

Regression Equation: MAD=+0.669-0.0093(E13)

Where -- E13 - No. of Thunder Days

Computed T = -1.375
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.461
Adjusted Standard Error = 0.349

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-83.

Equipment Item: Anti-Collision Lights (WUC 44A01)

Regression Equation: MAD=+11.0074-0.0007(E02)-0.0046(E03)-0.0257(E18)-0.9807(E30)

Where -- E02 - Base Altitude
E03 - Runway Direction
E18 - Days Maximum Crosswinds (10-19 MPH)
E30 - Avg. Obstruction (to vision) Type

Computed T =-12.402
Computed T =- 5.531
Computed T =-10.434
Computed T =- 3.672
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.996
Adjusted Standard Error = 0.209

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-84.

TABLE B-43

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$

Equipment Item: Landing/Taxi Lights (WUC 44A02)

Regression Equation: MAD=+6.1366-0.0654(E18)+0.0795(E19)

Where -- E18 - Days Maximum Crosswinds (10-19 MPH)	Computed T =	-3.315
E19 - Days Maximum Crosswinds (20-29 MPH)	Computed T =	+2.580
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.941
Adjusted Standard Error = 1.365

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-85.

Equipment Item: Hydraulic Pumps (WUC 45A00) Hydraulic Power

Regression Equation: MAD=0.1558 - 0.01505(E06)+0.252(E08)

Where -- E06 - No. of Snow Days	Computed T =	-3.756
E08 - Mean Snow Depth	Computed T =	+7.190
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	
	Computed T =	

Adjusted Multiple Correlation Coefficient = 0.979
Adjusted Standard Error = 0.146

Remarks: 1. Model based on 9 valid points per input variable.

2. Developed from data set Table A-86

TABLE B-44

GENERIC MAINTENANCE METRICS MODELS.
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Fuel Tanks (WUC 46A00)

Regression Equation: MAD=+5.03+0.009(E16)-0.027(E18)+0.035(E19)-0.064(E23)

Where --		
	E16 - Predominate Wind Direction	Computed T = +5.283
	E18 - Days Maximum Crosswinds (10-19 MPH)	Computed T = -4.757
	E19 - Days Maximum Crosswinds (20-29 MPH)	Computed T = +4.178
	E23 - Mean Temperature	Computed T = -5.638
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.990
Adjusted Standard Error = 0.410

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-87.

Equipment Item: Oxygen Regulator (WUC 47A01)

Regression Equation: MAD=+6.414+0.0099(E06)+0.0412(E07)-0.0026(E16)+0.195(E21) -0.0291(E23)-0.0672(E24)-0.0515(E27)

Where --		
	E06 - No. of Snow Days	Computed T = +1.283
	E07 - Total Snow	Computed T = +3.933
	E16 - Predominate Wind Direction	Computed T = -3.512
	E21 - Days Maximum Crosswinds (40-49 MPH)	Computed T = +6.624
	E23 - Mean Temperature	Computed T = -1.801
	E24 - Mean Minimum Temperature	Computed T = -7.797
	E27 - Days Minimum Temperature Below 32°F	Computed T = -6.803

Adjusted Multiple Correlation Coefficient = 0.992
Adjusted Standard Error = 0.170

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-88.

TABLE B-45

GENERIC MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant environmental parameters)

Form of model (multiple regression estimating equation):

$EMAD = A+(B_{n1}EN_{n1}+...B_{nn}EN_{nn})$

Equipment Item: LOX Converter (WUC 47A02)

Regression Equation: MAD=0.2299+0.0842(E08)

Where -- E08 - Mean Snow Depth

Computed T = +2.682
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.712
Adjusted Standard Error = 0.411

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from data set Table A-89.

Equipment Item: Engine Fire Detection (WUC 49A00)

Regression Equation: MAD=-0.2536+0.0006(E16)+0.0026(E19)-0.0017(E24)

Where -- E16 - Predominate Wind Direction
E19 - Days Maximum Crosswinds (20-29 MPH)
E24 - Mean Minimum Temperature

Computed T = +6.542
Computed T = +8.469
Computed T = -4.622
Computed T =
Computed T =
Computed T =
Computed T =

Adjusted Multiple Correlation Coefficient = 0.983
Adjusted Standard Error = 0.020

Remarks: 1. Model based on 9 valid data points per input variable.

2. Developed from Table A-90.

AD-A096 689 BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER--ETC F/G 5/1
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC(U)
OCT 80 D K HINDES, G A WALKER, D H WILSON F33615-77-C-0075
UNCLASSIFIED D194-10089-3 NL

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APPENDIX C

SIGNIFICANT PARAMETER DATA FROM GENERIC MODELS

This appendix contains a data set for each of the thirty study equipments (Tables C-1 through C-30) which is composed of the significant equipment, operational, and environmental parameters remaining in the three generic maintenance metrics models for that equipment item. The generic models which identify the parameters to be included in these Appendix C composite data sets were developed by the application of a step-wise regression process to the significant parameter data sets contained in Appendix A.

These Appendix C composite data sets were in turn used as source data for the development of the composite maintenance metrics models contained in Appendix D.

APPENDIX C

SIGNIFICANT PARAMETER DATA SETS FOR COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT

GENERIC MODELS PARAMETER DATA SETS

KEY TO SIGNIFICANT EQUIPMENT PARAMETERS CONTAINED IN DATA SETS

I.D. NO.	PARAMETER	DIMENSION
P02	Total Number of Engines	Avg. No./Base
P04	Weight per Engine	Lbs ÷ 10
A02	Equipment Location on Aircraft	Scaled Value
A03	Equipment Weight	Pounds
A04	Equipment Volume	Cu. In.
A05	SRU Count	No. SRUs in Equip. Item
A06	Operating Temperature	Scaled Value based on ^{o}F
A07	Cooling Method	Scaled Value
A08	Protection Devices	Scaled Value
A09	Number of Test Points	No. T.P. available to Org. Maint.
A12	AGE Unreliability	Percent
A13	Average Operating Time per Sortie	Hours
A15	Retest OK Rate	Percent
A16	On-Off Cycles per Flight Hour	No./10 Flying Hours
A18	Ground/Flight Operating Ratio	Percent
A19	Failure/Abort Ratio	Percent
F03	Equipment Weight	Pounds
F04	Equip. Volume (Equip. Area if appropriate)	Cu. Ft. or Cu. In. or Sq. Ft.
F06	Support Equipment Complexity	Scaled Value
F07	Support Equipment Reliability	Percent
F08	Type of Failure Problems	Scaled Value
F09	Inflight Squawk Verification Rate	Percent
F10	On-Off Cycles per Sortie	Cycles/Sortie
F11	Ground to Flight Operating Ratio	Percent
F13	Removals to Access Other Equipment	No./Acft./Yr.
F16	Equipment Protection Methodology	Scaled Value
F22	Landings per Tire (Landing Gear only)	Landings per Tire

KEY TO SIGNIFICANT OPERATIONAL PARAMETERS CONTAINED IN DATA SETS

I.D. NO.	PARAMETER	DIMENSION
Ø02	Years Acft Have Been On Base.	No. Years
Ø03	Average Mission Mix	Scaled Value
Ø05	Average Take-Off Speed.	Knots
Ø06	Median Take-Off Distance.	Feet
Ø07	Percent of Max Take-Off Weight.	Avg. T.O. Wt. as % of Max
Ø08	Average Climb Rate.	Feet/Min.
Ø09	Average Cruise Speed.	Knots
Ø10	Average Cruise Altitude	Feet ÷ 10
Ø11	Average Descent Rate.	Feet/Min.
Ø12	Average Landing Speed	Knots
Ø13	Minimum Landing Distance.	Feet
Ø14	Average Landing Weight.	Lbs. ÷ 1000
Ø15	Total Flying Hours per Aircraft	Hours/Acft/Yr
Ø16	Training Flying Hours per Aircraft.	Hours/Acft/Yr
Ø17	Operations Flying Hours per Aircraft.	Hours/Acft/Yr
Ø18	Misc. Flying Hours per Aircraft	Hours/Acft/Yr
Ø19	Total Landings per Aircraft	Landings/Acft/Yr
Ø20	Training Landings per Aircraft.	Landings/Acft/Yr
Ø21	Operations Landings per Aircraft.	Landings/Acft/Yr
Ø23	Average No. of Aircraft on Alert.	Acft/Month
Ø25	Total Sorties per Aircraft.	Sorties/Acft/Yr
Ø26	Training Sorties per Acft	Sorties/Acft/Yr
Ø27	Operations Sorties per Aircraft	Sorties/Acft/Yr
Ø30	Maximum Aircraft Speed.	Mach No. Nominal
Ø31	Aircraft Service Ceiling.	Feet ÷ 10
Ø32	Aircraft Crew Size.	Crewmen per Acft
Ø33	Average Sortie Length	Hours/Sortie
Ø34	Accidents (Major & Minor) per Aircraft.	No./Acft/Yr

KEY TO SIGNIFICANT ENVIRONMENTAL PARAMETERS CONTAINED IN DATA SETS

I.D. NO.	PARAMETER	DIMENSION
E02	Base Altitude	Feet
E03	Runway Direction	Compass Degrees
E06	Number of Snow Days	Days/Yr
E07	Total Snow Fall	Inches
E08	Mean Snow Depth	Inches
E09	Number of Rain Days	Days/Yr
E13	Number of Thunder Days	Days/Yr
E16	Predominate Wind Direction	Compass Degrees
E18	Maximum Crosswinds 10-19 MPH	Days/Yr
E19	Maximum Crosswinds 20-29 MPH	Days/Yr
E20	Maximum Crosswinds 30-39 MPH	Days/Yr
E21	Maximum Crosswinds 40-49 MPH	Days/Yr
E23	Mean Temperature	Degrees "F"
E24	Mean Minimum Temperature	Degrees "F"
E27	Days Min. Temp. was Below 32^{o} "F"	Days/Yr
E30	Average Obstruction Type	Scaled Value
E31	Average Obstruction Severity	Scaled Value

TABLE C-1 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: *2300 PROPULSION*

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		P02	P04	Ø10	Ø14	Ø27	Ø32	Ø33	E13			
F-15A/LUKE	28.10	58.00	302.10	2000.00	31.50	26.72	2.00	1.26	19.00			
F-15A/BITBURG	56.63	64.00	300.00	2000.00	33.50	148.34	1.00	1.51	[illegible]9.00			
B-52G/FAIRCHILD	116.87	120.00	380.70	3300.00	240.00	4.43	9.00	8.25	10.00			
FB-111A/PLATTSBURGH	49.91	64.00	490.00	1250.00	60.00	60.72	2.00	3.75	25.00			
C-141A/TRAVIS	-	-	-	-	-	-	-	-	-			
KC-135A/FAIRCHILD	77.52	108.00	432.00	2500.00	127.50	4.81	6.00	4.95	10.00			
T-38A/RANDOLPH	18.88	166.00	51.60	1175.00	9.50	0.00	2.00	1.38	47.00			
A-10A/MYRTLE BEACH	0.42	38.00	142.70	408.75	30.00	93.00	1.00	1.90	51.00			
A-10A/DAVIS-MONTHAN	8.74	46.00	142.70	1000.00	27.50	60.00	1.00	2.05	51.00			

NOTE: Dropped C-141A case from data set on grounds that C-141A propulsion as presently used belongs more to a population of scheduled air carriers than to a population of typical military operations aircraft.

TABLE C-2 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 51A00 FLIGHT INDICATORS

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A03	Ø11	Ø13	Ø17	Ø25	E03	E19				
F-15A/LUKE	1.58	2.72	2250.00	3750.00	36.12	267.17	30.00	84.00				
F-15A/BITBURG	0.88	0.72	2250.00	3750.00	223.53	174.53	240.00	106.00				
B-52G/FAIRCHILD	0.80	3.00	4000.00	2600.00	36.53	44.27	230.00	95.00				
FB-111A/PLATTSBURGH	7.19	8.09	2500.00	7500.00	204.09	83.88	170.00	136.00				
C-141A/TRAVIS	6.63	5.08	700.00	2750.00	1150.66	364.03	30.00	146.00				
KC-135A/FAIRCHILD	0.70	1.00	4000.00	3500.00	23.77	48.07	230.00	95.00				
T-38A/RANDOLPH	2.84	4.75	3000.00	3500.00	0.00	250.22	140.00	112.00				
A-10A/MYRTLE BEACH	0.05	0.56	3500.00	1600.00	177.05	103.32	350.00	105.00				
A-10A/DAVIS-MONTHAN	1.48	1.29	3000.00	1000.00	328.70	228.61	120.00	113.00				

TABLE C-3 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 51E00 AIR DATA SYSTEM

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS									
		A03	A07	A16	A19	Ø08	Ø13	Ø23	E13	E19	E20
F-15A/LUKE	1.38	14.70	1.00	4.49	100.00	4000.00	3750.00	0.00	19.00	84.00	20.00
F-15A/BITBURG	0.94	11.87	1.69	6.80	70.00	6000.00	3750.00	1.00	19.00	106.00	32.00
B-52G/FAIRCHILD	3.47	5.06	1.08	1.11	60.00	1500.00	2600.00	4.00	10.00	95.00	26.00
FB-111A/PLATTSBURGH	7.13	29.26	1.00	2.87	76.44	2400.00	7500.00	12.00	25.00	136.00	27.00
C-141A/TRAVIS	7.88	34.80	1.00	2.70	59.00	1400.00	2750.00	0.33	7.00	146.00	74.00
KC-135A/FAIRCHILD	3.30	2.08	1.12	2.15	50.00	1750.00	3500.00	9.00	10.00	95.00	26.00
T-38A/RANDOLPH	1.34	4.17	1.00	7.90	75.00	4000.00	3500.00	0.00	47.00	112.00	21.00
A-10A/MYRTLE BEACH	0.05	14.73	2.00	5.56	95.00	4000.00	1600.00	0.00	51.00	105.00	14.00
A-10A/DAVIS-MONTHAN	0.43	3.43	1.90	4.50	88.00	3500.00	1000.00	0.00	51.00	113.00	23.00

TABLE C-4 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 51N00 HORIZONTAL SITUATION INDICATOR

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND - F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A07	A16	A18	Ø14	Ø33	E13	E18	E20			
F-15A/LUKE	1.28	2.00	8.14	200.00	31.50	1.26	19.00	193.00	20.00			
F-15A/BITBURG	2.09	1.36	6.80	263.00	33.50	1.51	19.00	188.00	32.00			
B-52G/FAIRCHILD	5.27	1.00	1.11	16.67	240.00	8.25	10.00	198.00	26.00			
FB-111A/PLATTSBURGH	2.25	1.00	2.50	66.67	60.00	3.75	25.00	171.00	27.00			
C-141A/TRAVIS	5.50	1.00	2.70	371.00	165.00	3.76	7.00	123.00	74.00			
KC-135A/FAIRCHILD	1.56	1.49	1.58	0.00	127.50	4.95	10.00	148.00	26.00			
T-38A/RANDOLPH	1.69	1.00	7.90	20.00	9.50	1.38	47.00	222.00	21.00			
A-10A/MYRTLE BEACH	0.00	2.50	5.60	5.00	30.00	1.90	51.00	230.00	14.00			
A-10A/DAVIS-MONTHAN	1.26	2.86	4.55	6.00	27.50	2.05	51.00	200.00	23.00			

TABLE C-5 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 52A00 AUTOPILOT

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A03	A04	A08	A13	A19	Ø08	Ø23	E08	E18		
F-15A/LUKE	1.21	11.76	607.70	5.00	1.23	94.40	4000.00	0.00	0.00	193.00		
F-15A/BITBURG	0.88	11.00	432.00	4.00	1.47	83.85	6000.00	1.00	3.14	188.00		
B-52G/FAIRCHILD	7.53	30.55	1760.02	0.42	8.10	80.00	1500.00	4.00	9.46	198.00		
FB-111A/PLATTSBURGH	9.91	17.78	827.96	0.00	4.00	77.60	2400.00	12.00	9.90	171.00		
C-141A/TRAVIS	7.59	2.27	370.42	4.00	3.70	59.00	1400.00	0.33	0.00	123.00		
KC-135A/FAIRCHILD	5.67	18.14	976.09	0.00	5.69	85.00	1750.00	9.00	9.46	148.00		
T-38A/RANDOLPH	0.46	2.35	44.61	4.00	1.11	83.00	4000.00	0.00	0.00	222.00		
A-10A/MYRTLE BEACH	0.11	4.50	234.00	4.00	1.80	88.00	4000.00	0.00	0.35	230.00		
A-10A/DAVIS-MONTHAN	1.13	6.95	334.80	4.00	2.20	82.10	3500.00	0.00	0.00	200.00		

TABLE C-6 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 63A00 UHF COMMUNICATION SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A03	A04	A05	Ø08	Ø18	E13	E18	E19	E27	E30	
F-15A/LUKE	4.31	26.43	802.50	12.28	4000.00	0.00	19.00	193.00	84.00	0.00	2.41	
F-15A/BITBURG	5.03	26.00	750.90	9.62	6000.00	7.90	19.00	188.00	106.00	53.00	2.75	
B-52G/FAIRCHILD	6.93	39.55	1395.00	6.22	1500.00	0.00	10.00	198.00	95.00	110.00	3.05	
FB-111A/PLATTSBURGH	7.34	19.19	596.56	7.30	2400.00	1.22	25.00	171.00	136.00	138.00	2.69	
C-141A/TRAVIS	24.00	47.87	1526.90	8.74	1400.00	13.75	7.00	123.00	146.00	3.00	2.94	
KC-135A/FAIRCHILD	12.26	41.65	1474.15	6.52	1750.00	11.89	10.00	148.00	95.00	110.00	3.05	
T-38A/RANDOLPH	4.25	45.50	1583.90	8.00	4000.00	0.00	47.00	222.00	112.00	14.00	3.14	
A-10A/MYRTLE BEACH	0.00	9.25	241.60	5.00	4000.00	0.00	51.00	230.00	105.00	31.00	3.42	
A-10A/DAVIS-MONTHAN	0.00	9.25	241.63	5.00	3500.00	0.00	51.00	200.00	113.00	12.00	2.90	

TABLE C-7 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 65A00 IFF TRANSPONDER SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A02	A09	Ø05	Ø09	Ø12	Ø30	E06	E09	E31		
F-15A/LUKE	0.90	3.00	5.00	150.00	350.00	135.00	2.30	0.00	50.00	228.95		
F-15A/BITBURG	2.22	3.00	0.00	150.00	375.00	117.50	2.30	62.00	202.00	2387.00		
B-52G/FAIRCHILD	2.47	3.00	23.21	156.00	450.00	135.00	0.83	77.00	140.00	1335.90		
FB-111A/PLATTSBURGH	3.03	7.-0	51.00	165.00	440.00	135.00	2.50	89.00	145.00	1482.19		
C-141A/TRAVIS	2.44	3.00	0.00	130.00	230.00	110.00	0.83	0.00	69.00	755.58		
KC-135A/FAIRCHILD	1.07	1.00	24.13	150.00	410.00	125.00	0.90	77.00	140.00	1335.90		
T-38A/RANDOLPH	2.22	1.33	0.00	155.00	323.75	142.50	1.30	0.00	130.00	1218.32		
A-10A/MYRTLE BEACH	0.11	2.00	89.00	130.00	240.00	120.00	0.41	3.00	121.00	1032.84		
A-10A/DAVIS-MONTHAN	0.00	2.00	100.00	120.00	230.00	105.00	0.41	0.00	77.00	317.19		

TABLE C-8 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 71A00 INERTIAL NAVIGATION SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A05	Ø13	E21								
F-15A/LUKE	5.45	11.15	3750.00	4.00								
F-15A/BITBURG	4.34	18.65	3750.00	4.00								
B-52G/FAIRCHILD	-	-	-	-								
FB-111A/PLATTSBURGH	18.03	51.10	7500.00	7.00								
C-141A/TRAVIS	0.31	0.00	2750.00	0.00								
KC-135A/FAIRCHILD	-	-	-	-								
T-38A/RANDOLPH	0.00	1.00	3500.00	1.00								
A-10A/MYRTLE BEACH	-	-	-	-								
A-10A/DAVIS-MONTHAN	-	-	-	-								

TABLE C-9 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 71C00 INSTRUMENT LANDING SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A02	A06	A15	Ø15	Ø25	Ø27	Ø32	E20			
F-15A/LUKE	0.52	3.00	35.00	1.00	361.67	267.17	26.72	2.00	20.00			
F-15A/BITBURG	-	-	-	-	-	-	-	-	-			
B-52G/FAIRCHILD	0.93	1.02	47.00	14.85	365.27	44.27	4.43	9.00	26.00			
FB-111A/PLATTSBURGH	1.00	3.00	79.00	0.00	314.47	83.88	60.72	2.00	27.00			
C-141A/TRAVIS	1.94	3.00	71.66	25.00	1369.84	364.03	305.47	7.00	74.00			
KC-135A/FAIRCHILD	0.26	1.00	47.00	2.80	237.74	48.07	4.81	6.00	26.00			
T-38A/RANDOLPH	0.76	2.00	46.00	5.00	345.71	250.22	0.00	2.00	21.00			
A-10A/MYRTLE BEACH	-	-	-	-	-	-	-	-	-			
A-10A/DAVIS-MONTHAN	-	-	-	-	-	-	-	-	-			

TABLE C-10 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 71D00 TACAN SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A03	A18	Ø15	Ø32	E03	E09	E13	E20			
F-15A/LUKE	1.93	29.00	10.00	361.67	2.00	30.00	50.00	19.00	20.00			
F-15A/BITBURG	1.56	29.80	25.00	363.02	1.00	240.00	202.00	19.00	32.00			
B-52G/FAIRCHILD	3.60	31.00	0.00	365.27	9.00	230.00	140.00	10.00	26.00			
FB-111A/PLATTSBURGH	1.75	27.60	10.00	314.47	2.00	170.00	145.00	25.00	27.00			
C-141A/TRAVIS	11.38	51.00	1.00	1369.84	7.00	30.00	69.00	7.00	74.00			
KC-135A/FAIRCHILD	3.15	45.00	20.00	237.74	6.00	230.00	140.00	10.00	26.00			
T-38A/RANDOLPH	0.77	50.00	50.00	345.71	2.00	140.00	130.00	47.00	21.00			
A-10A/MYRTLE BEACH	0.00	14.30	25.00	196.72	1.00	350.00	121.00	51.00	14.00			
A-10A/DAVIS-MONTHAN	0.30	9.11	25.00	469.57	1.00	120.00	77.00	51.00	23.00			

TABLE C-11 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 71F00 ATTITUDE-HEADING REFERENCE SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A08	A12	Ø05	E27							
F-15A/LUKE	1.79	5.00	2.00	150.00	0.00							
F-15A/BITBURG	1.31	4.00	2.60	150.00	53.00							
B-52G/FAIRCHILD	5.20	1.10	10.06	156.00	110.00							
FB-111A/PLATTSBURGH	5.91	0.00	7.00	165.00	138.00							
C-141A/TRAVIS	0.09	4.00	3.00	130.00	3.00							
KC-135A/FAIRCHILD	1.70	2.00	20.00	150.00	110.00							
T-38A/RANDOLPH	4.24	4.00	0.00	155.00	14.00							
A-10A/MYRTLE BEACH	0.00	3.00	40.00	130.00	31.00							
A-10A/DAVIS-MONTHAN	1.61	3.00	40.00	120.00	12.00							

TABLE C-12 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 74F00 RADAR SET

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND F = (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		A02	A12	A19	Ø10	Ø11	E13	E16	E18	E20		
F-15A/LUKE	13.24	2.00	9.00	89.00	2000.00	2250.00	19.00	360.00	193.00	20.00		
F-15A/BITBURG	11.13	3.00	76.00	84.00	2000.00	2250.00	19.00	225.00	188.00	32.00		
B-52G/FAIRCHILD	15.60	2.18	0.00	91.50	3300.00	4000.00	10.00	225.00	198.00	26.00		
FB-111A/PLATTSBURGH	15.53	1.49	54.80	82.00	1250.00	2500.00	25.00	360.00	171.00	27.00		
C-141A/TRAVIS	21.19	3.90	0.00	100.00	1950.00	700.00	7.00	225.00	123.00	74.00		
KC-135A/FAIRCHILD	8.37	2.14	3.98	87.35	2500.00	4000.00	10.00	225.00	148.00	26.00		
T-38A/RANDOLPH	-	-	-	-	-	-	-	-	-	-		
A-10A/MYRTLE BEACH	0.00	7.00	75.00	90.00	408.75	3500.00	51.00	180.00	230.00	14.00		
A-10A/DAVIS-MONTHAN	0.61	7.00	75.00	90.00	1000.00	3000.00	51.00	135.00	222.00	23.00		

TABLE C-13 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 11A01 RADOME

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F08	Ø05	Ø12	Ø21	Ø25	E02	E18	E20			
F-15A/LUKE	1.21	6.00	150.00	116.00	45.72	267.17	1111.00	193.00	20.00			
F-15A/BITBURG	1.16	3.00	150.00	118.00	150.47	174.53	1228.00	188.00	32.00			
B-52G/FAIRCHILD	0.53	8.00	156.00	115.00	13.15	44.27	2472.00	198.00	26.00			
FB-111A/PLATTSBURGH	2.16	5.00	165.00	123.00	136.09	83.88	245.00	171.00	27.00			
C-141A/TRAVIS	4.38	9.00	130.00	97.00	665.81	364.03	62.00	123.00	74.00			
KC-135A/FAIRCHILD	0.15	1.00	150.00	115.00	15.95	48.07	2472.00	148.00	26.00			
T-38A/RANDOLPH	0.65	6.00	155.00	130.00	0.00	250.22	761.00	222.00	21.00			
A-10A/MYRTLE BEACH	-	-	-	-	-	-	-	-	-			
A-10A/DAVIS-MONTHAN	-	-	-	-	-	-	-	-	-			

TABLE C-14 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 11A02 WINDSHIELD

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	F07	Ø15	Ø21	Ø27	E18					
F-15A/LUKE	0.93	60.00	100.00	361.67	45.72	26.72	193.00					
·F-15A/BITBURG	0.16	60.00	100.00	363.02	150.47	148.34	188.00					
B-52G/FAIRCHILD	0.33	54.00	100.00	365.27	13.15	4.43	198.00					
FB-111A/PLATTSBURGH	4.03	64.00	95.-0	314.47	136.09	60.72	171.00					
C-141A/TRAVIS	7.31	385.00	95.00	1369.84	665.81	305.47	123.00					
KC-135A/FAIRCHILD	2.52	50.00	100.00	237.74	15.95	4.81	148.00					
T-38A/RANDOLPH	0.18	20.00	100.00	345.71	0.00	0.00	222.00					
A-10A/MYRTLE BEACH	0.00	150.00	100.00	196.72	95.34	93.00	230.00					
A-10A/DAVIS-MONTHAN	0.20	150.00	98.00	469.57	60.00	60.00	200.00					

TABLE C-15 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 11K00 WINGS

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F04	Ø02	Ø08	Ø10	Ø12	Ø14	Ø17	Ø21	E13	E20	
F-15A/LUKE	13.97	608.00	3.67	4000.00	2000.00	116.00	31.50	36.12	45.72	19.00	20.00	
F-15A/BITBURG	7.56	608.00	0.75	6000.00	3800.00	118.00	33.50	223.53	150.47	19.00	32.00	
B-52G/FAIRCHILD	17.40	800.00	7.67	1500.00	2550.00	115.00	240.00	36.53	13.15	10.00	26.00	
FB-111A/PLATTSBURGH	26.25	602.75	6.00	2400.00	1650.00	123.00	60.00	204.09	136.09	25.00	27.00	
C-141A/TRAVIS	76.47	3073.00	11.83	1400.00	3020.00	97.00	165.00	1150.66	665.81	7.00	74.00	
KC-135A/FAIRCHILD	34.81	1156.70	20.33	1750.00	2900.00	115.00	127.50	23.77	15.95	10.00	26.00	
T-38A/RANDOLPH	4.82	170.00	11.75	4000.00	1590.00	130.00	9.50	0.00	0.00	47.00	21.00	
A-10A/MYRTLE BEACH	0.53	506.00	0.67	4000.00	408.75	115.00	30.00	177.05	95.34	51.00	14.00	
A-10A/DAVIS-MONTHAN	3.96	506.00	2.42	3500.00	1000.00	111.00	27.50	328.70	60.00	51.00	23.00	

TABLE C-16 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 12800 COCKPIT FURNISHINGS (SEATS)

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F11	Ø08	Ø12	Ø17	Ø21	Ø25	Ø27	E19	E20		
F-15A/LUKE	0.10	50.00	4000.00	116.00	36.12	45.72	267.17	26.72	84.00	20.00		
F-15A/BITBURG	0.06	50.00	6000.00	118.00	223.53	150.47	174.53	148.34	106.00	32.00		
B-52G/FAIRCHILD	0.08	200.00	1500.00	115.00	36.53	13.15	44.27	4.43	95.00	26.00		
FB-111A/PLATTSBURGH	1.27	300.00	2400.00	123.00	204.09	136.09	83.88	60.72	136.00	27.00		
C-141A/TRAVIS	3.64	400.00	1400.00	97.00	1150.66	665.81	364.03	305.47	146.00	74.00		
KC-135A/FAIRCHILD	0.19	33.30	1750.00	115.00	23.77	15.95	48.07	4.81	95.00	26.00		
T-38A/RANDOLPH	0.30	20.00	4000.00	130.00	0.00	0.00	250.22	0.00	112.00	21.00		
A-10A/MYRTLE BEACH	0.00	100.00	4000.00	115.00	177.05	95.34	103.32	93.00	105.00	14.00		
A-10A/DAVIS-MONTHAN	0.13	100.00	3500.00	111.00	328.70	60.00	228.61	60.00	113.00	23.00		

TABLE C-17 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 13A00 MAIN LANDING GEAR

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	F06	F13	F22	Ø10	Ø14	Ø15	Ø16	Ø19	Ø21	Ø32	E20
F-15A/LUKE	12.14	190.00	7.00	0.97	30.00	2000.00	31.50	361.67	325.54	456.69	45.72	2.0	20.00
F-15A/BITBURG	8.69	190.00	7.00	0.69	17.00	3800.00	33.50	363.02	31.59	177.00	150.47	1.0	32.00
B-52G/FAIRCHILD	22.80	5488.00	5.00	1.87	0.00	2550.00	240.00	365.27	328.74	131.47	13.15	9.0	26.00
FB-111A/PLATTSBURGH	10.47	506.00	5.00	2.03	160.00	1650.00	60.00	314.47	109.16	187.97	136.09	2.0	27.00
C-141A/TRAVIS	28.16	2200.00	5.00	5.21	160.00	3020.00	165.00	1369.84	205.44	792.59	665.81	7.0	74.00
KC-135A/FAIRCHILD	9.85	2960.00	1.00	1.30	0.00	2900.00	127.50	237.74	202.08	159.48	15.95	6.0	26.00
T-38A/RANDOLPH	18.51	58.00	5.00	3.19	80.00	1590.00	9.50	345.71	345.71	1046.72	0.00	2.0	21.00
A-10A/MYRTLE BEACH	0.05	228.00	1.00	0.11	19.00	408.75	30.00	196.72	19.67	105.91	95.34	1.0	14.00
A-10A/DAVIS-MONTHAN	1.17	228.00	1.00	0.09	70.00	1000.00	27.50	469.57	140.87	228.61	60.00	1.0	23.00

TABLE C-18 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 13D00 BRAKES

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F09	Ø03	Ø05	Ø09	Ø16	Ø20	Ø26	Ø31	E03	E16	
F-15A/LUKE	2.05	100.00	1.10	150.00	500.00	325.54	410.97	240.45	7000.00	30.00	360.00	
F-15A/BITBURG	0.52	100.00	1.91	150.00	530.00	31.59	21.28	20.91	7000.00	240.00	225.00	
B-52G/FAIRCHILD	1.57	90.00	1.10	156.00	450.00	328.74	118.32	39.94	5500.00	230.00	225.00	
FB-111A/PLATTSBURGH	2.14	75.00	1.78	165.00	440.00	109.16	49.94	22.38	6000.00	170.00	360.00	
C-141A/TRAVIS	1.36	95.00	1.86	130.00	430.00	205.44	118.91	54.59	4885.00	30.00	225.00	
KC-135A/FAIRCHILD	0.80	90.00	1.20	150.00	410.00	202.08	135.56	40.86	5200.00	230.00	225.00	
T-38A/RANDOLPH	1.95	80.00	1.00	155.00	420.00	345.71	1046.72	250.22	5500.00	140.00	180.00	
A-10A/MYRTLE BEACH	0.00	100.00	1.90	130.00	320.00	19.67	10.59	10.32	4420.00	350.00	180.00	
A-10A/DAVIS-MONTHAN	0.00	100.00	1.70	120.00	310.00	140.87	68.61	68.61	4420.00	120.00	135.00	

TABLE C-19 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 14C00 STABILATOR

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	F06	Ø21	Ø27	E20						
F-15A/LUKE	1.48	300.00	5.00	45.72	26.72	20.00						
F-15A/BITBURG	1.38	300.00	5.00	150.47	148.34	32.00						
B-52G/FAIRCHILD	0.20	2000.00	1.00	13.15	4.43	26.00						
FB-111A/PLATTSBURGH	4.88	1730.00	4.00	136.09	60.72	27.00						
C-141A/TRAVIS	11.75	3000.00	5.00	665.81	305.47	74.00						
KC-135A/FAIRCHILD	3.96	1600.00	5.00	15.95	4.81	26.00						
T-38A/RANDOLPH	1.61	800.00	5.00	0.00	0.00	21.00						
A-10A/MYRTLE BEACH	0.00	800.00	1.00	95.34	93.00	14.00						
A-10A/DAVIS-MONTHAN	0.13	800.00	1.00	60.00	60.00	23.00						

TABLE C-20 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 14D00 RUDDER

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	(None) EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		Ø15	Ø17	Ø34	E03	E09	E18	E24				
F-15A/LUKE	0.93	361.67	36.12	0.10	30.00	50.00	193.00	58.00				
F-15A/BITBURG	0.50	363.02	223.53	0.09	240.00	202.00	188.00	44.00				
B-52G/FAIRCHILD	0.07	365.27	36.53	0.33	230.00	140.00	198.00	24.00				
FB-111A/PLATTSBURGH	0.38	314.47	204.09	0.13	170.00	145.00	171.00	1.00				
C-141A/TRAVIS	3.21	1369.84	1150.66	0.00	30.00	69.00	123.00	53.00				
KC-135A/FAIRCHILD	0.48	237.74	23.77	0.00	230.00	140.00	148.00	24.00				
T-38A/RANDOLPH	0.84	345.71	0.00	0.05	140.00	130.00	222.00	44.00				
A-10A/MYRTLE BEACH	0.05	196.72	177.05	0.16	350.00	121.00	230.00	42.00				
A-10A/DAVIS-MONTHAN	0.83	469.57	328.70	0.04	120.00	77.00	200.00	54.00				

TABLE C-21 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 14H00 FLAPS

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	F04	F06	F08	F10	Ø15	Ø21	Ø27	E18	E19	
F-15A/LUKE	0.10	104.00	69.70	1.00	5.00	4.00	361.67	45.72	26.72	193.00	84.00	
F-15A/BITBURG	0.69	104.00	69.70	1.00	9.00	4.00	363.02	150.47	148.34	188.00	106.00	
B-52G/FAIRCHILD	3.67	800.00	523.30	1.00	9.00	4.00	365.27	13.15	4.43	198.00	95.00	
FB-111A/PLATTSBURGH	22.03	800.00	126.70	10.00	9.00	2.00	314.47	136.09	60.72	171.00	136.00	
C-141A/TRAVIS	28.56	3364.00	528.70	5.00	14.00	1.00	1369.84	665.81	305.47	123.00	146.00	
KC-135A/FAIRCHILD	7.26	550.00	120.00	1.00	4.00	4.00	237.74	15.95	4.81	148.00	95.00	
T-38A/RANDOLPH	1.14	70.00	20.50	5.00	1.00	-	345.71	0.00	0.00	222.00	112.00	
A-10A/MYRTLE BEACH	0.05	200.00	86.00	5.00	8.00	-	196.72	95.34	93.00	230.00	105.00	
A-10A/DAVIS-MONTHAN	0.78	200.00	86.00	5.00	8.00	-	469.57	60.00	60.00	200.00	113.00	

TABLE C-22 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 41A00 ENVIRONMENTAL CONTROL (WATER SEPARATOR)

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS (None), & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F08	E19	E24								
F-15A/LUKE	0.03	5.00	84.00	58.00								
F-15A/BITBURG	0.03	6.00	106.00	44.00								
B-52G/FAIRCHILD	0.27	1.00	95.00	24.00								
FB-111A/PLATTSBURGH	2.06	13.00	136.00	1.00								
C-141A/TRAVIS	0.81	3.00	146.00	53.00								
KC-135A/FAIRCHILD	0.00	1.00	95.00	24.00								
T-38A/RANDOLPH	0.84	1.00	112.00	44.00								
A-10A/MYRTLE BEACH	0.00	4.00	105.00	42.00								
A-10A/DAVIS-MONTHAN	0.04	4.00	113.00	54.00								

TABLE C-23 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 42A00 AIRCRAFT POWER (GENERATOR ASSY)

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F13	Ø07	Ø32	E13							
F-15A/LUKE	0.17	0.03	83.02	2.00	19.00							
F-15A/BITBURG	0.23	0.13	82.14	1.00	19.00							
B-52G/FAIRCHILD	1.13	0.80	92.00	9.00	10.00							
FB-111A/PLATTSBURGH	0.38	0.00	79.00	2.00	25.00							
C-141A/TRAVIS	0.54	0.41	75.83	7.00	7.00							
KC-135A/FAIRCHILD	0.53	0.48	82.00	6.00	10.00							
T-38A/RANDOLPH	0.78	0.17	100.00	2.00	47.00							
A-10A/MYRTLE BEACH	0.00	0.00	82.00	1.00	51.00							
A-10A/DAVIS-MONTHAN	0.04	0.00	70.00	1.00	51.00							

TABLE C-24 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 44A01 NAVIGATION/ANTI-COLLISION LIGHTS

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	F06	Ø11	Ø21	Ø25	Ø27	E02	E03	E18	E30	
F-15A/LUKE	2.72	10.00	1.00	2250.00	45.72	267.17	26.72	1111.00	30.00	193.00	2.41	
F-15A/BITBURG	1.47	10.00	3.00	2250.00	150.47	174.53	148.34	1221.00	240.00	188.00	2.75	
B-52G/FAIRCHILD	0.33	2.50	3.00	4000.00	13.15	44.27	4.43	2472.00	230.00	198.00	3.05	
FB-111A/PLATTSBURGH	3.09	10.00	1.00	2500.00	136.09	83.88	60.72	245.00	170.00	171.00	2.69	
C-141A/TRAVIS	4.75	15.00	1.00	700.00	665.81	364.03	305.47	62.00	30.00	123.00	2.94	
KC-135A/FAIRCHILD	0.04	4.00	3.00	4000.00	15.95	48.07	4.81	2472.00	230.00	148.00	3.05	
T-38A/RANDOLPH	1.16	2.00	1.00	3000.00	0.00	250.22	0.00	761.00	140.00	222.00	3.14	
A-10A/MYRTLE BEACH	0.00	2.00	4.00	3500.00	95.34	103.32	93.00	35.00	350.00	230.00	3.42	
A-10A/DAVIS-MONTHAN	0.39	2.00	4.00	3000.00	60.00	228.61	60.00	2705.00	120.00	200.00	2.91	

TABLE C-25 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 44A02 LANDING/TAXI LIGHTS

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	F13	Ø15	Ø21	Ø27	E18	E19				
F-15A/LUKE	0.38	6.00	0.07	361.67	45.72	26.72	193.00	84.00				
F-15A/BITBURG	0.50	6.00	0.00	363.02	150.47	148.34	188.00	106.00				
B-52G/FAIRCHILD	2.13	15.00	0.00	365.27	13.15	4.43	198.00	95.00				
FB-111A/PLATTSBURGH	6.72	6.00	0.19	314.47	136.09	60.72	171.00	136.00				
C-141A/TRAVIS	9.84	34.00	0.13	1369.84	665.81	305.47	123.00	146.00				
KC-135A/FAIRCHILD	0.96	9.50	0.00	237.74	15.95	4.81	148.00	95.00				
T-38A/RANDOLPH	0.73	12.00	0.00	345.71	0.00	0.00	222.00	112.00				
A-10A/MYRTLE BEACH	0.00	8.00	0.00	196.72	95.34	93.00	230.00	105.00				
A-10A/DAVIS-MONTHAN	0.21	8.00	0.00	469.57	60.00	60.00	200.00	113.00				

TABLE C-26 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 45A00 HYDRAULIC POWER (PUMPS)

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F04	F11	Ø05	Ø06	Ø08	Ø14	Ø32	Ø33	E06	E08	
F-15A/LUKE	0.21	462.00	6.50	150.00	3500.00	4000.00	31.50	2.00	1.26	0.00	0.00	
F-15A/BITBURG	0.02	462.00	20.00	150.00	2500.00	6000.00	33.50	1.00	1.51	62.00	3.14	
B-52G/FAIRCHILD	1.57	1432.00	10.00	156.00	8750.00	1500.00	240.00	9.00	8.25	77.00	9.46	
FB-111A/PLATTSBURGH	1.29	480.00	10.00	165.00	3800.00	2400.00	60.00	2.00	3.75	89.00	9.90	
C-141A/TRAVIS	0.20	416.00	20.00	130.00	3800.00	1400.00	165.00	7.00	3.76	0.00	0.00	
KC-135A/FAIRCHILD	1.22	942.00	10.00	150.00	9500.00	1750.00	127.50	6.00	4.95	77.00	9.46	
T-38A/RANDOLPH	0.23	236.00	10.00	155.00	2700.00	4000.00	9.50	2.00	1.38	0.00	0.00	
A-10A/MYRTLE BEACH	0.00	900.00	20.00	130.00	1700.00	4000.00	30.00	1.00	1.90	3.00	0.35	
A-10A/DAVIS-MONTHAN	0.17	900.00	20.00	120.00	3750.00	3500.00	27.50	1.00	2.05	0.00	0.00	

TABLE C-27 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 46A00 INTERNAL FUEL TANKS

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F16	Ø10	Ø11	Ø15	Ø17	Ø21	Ø27	E16	E18	E19	E23
F-15A/LUKE	1.55	7.00	2000.00	2250.00	361.67	36.12	45.72	26.72	360.00	193.00	84.00	69.00
F-15A/BITBURG	2.44	7.00	3800.00	2250.00	363.02	223.53	150.47	148.34	225.00	188.00	106.00	48.00
B-52G/FAIRCHILD	1.66	7.00	2550.00	4000.00	365.27	36.53	13.15	4.43	225.00	198.00	95.00	47.00
FB-111A/PLATTSBURGH	5.46	7.00	1650.00	2500.00	314.47	204.09	136.09	60.72	360.00	171.00	136.00	45.00
C-141A/TRAVIS	5.03	7.00	3020.00	700.00	1369.84	1150.66	665.81	305.47	225.00	123.00	146.00	61.00
KC-135A/FAIRCHILD	2.44	3.00	2900.00	4000.00	237.84	23.77	15.95	4.81	225.00	148.00	95.00	47.00
T-38A/RANDOLPH	0.07	4.00	1590.00	3000.00	345.71	0.00	0.00	0.00	180.00	222.00	112.00	69.00
A-10A/MYRTLE BEACH	0.05	4.00	408.75	3500.00	196.72	177.05	95.34	93.00	180.00	230.00	105.00	66.00
A-10A/DAVIS-MONTHAN	0.17	4.00	1000.00	3000.00	469.57	328.70	60.00	60.00	135.00	200.00	113.00	69.00

TABLE C-28 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 47A01 OXYGEN REGULATOR

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F03	Ø30	E06	E07	E16	E21	E23	E24	E27		
F-15A/LUKE	0.34	2.50	2.50	0.00	0.00	360.00	4.00	69.00	58.00	0.00		
F-15A/BITBURG	0.78	2.50	2.50	62.00	15.70	225.00	4.00	48.00	44.00	53.00		
B-52G/FAIRCHILD	0.34	2.00	0.84	77.00	47.30	225.00	2.00	47.00	24.00	110.00		
FB-111A/PLATTSBURGH	1.70	1.00	2.20	89.00	59.90	360.00	7.00	45.00	1.00	138.00		
C-141A/TRAVIS	0.33	3.00	0.89	0.00	0.00	225.00	0.00	61.00	53.00	3.00		
KC-135A/FAIRCHILD	0.22	3.00	0.90	77.00	47.30	225.00	2.00	47.00	24.00	110.00		
T-38A/RANDOLPH	0.45	1.50	1.63	0.00	0.00	180.00	1.00	69.00	44.00	14.00		
A-10A/MYRTLE BEACH	0.05	2.00	0.75	3.00	0.70	180.00	2.00	66.00	42.00	31.00		
A-10A/DAVIS-MONTHAN	0.39	2.00	0.75	0.00	0.00	135.00	3.00	69.00	54.00	12.00		

TABLE C-29 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 47A02 LOX CONVERTER

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F08	Ø05	Ø06	Ø33	E08						
F-15A/LUKE	0.14	5.00	150.00	3500.00	1.26	0.00						
F-15A/BITBURG	0.31	5.00	150.00	2500.00	1.51	3.14						
B-52G/FAIRCHILD	1.78	15.00	156.00	8750.00	8.25	9.46						
FB-111A/PLATTSBURGH	0.97	5.00	165.00	3800.00	3.75	9.90						
C-141A/TRAVIS	0.47	8.00	130.00	3800.00	3.76	0.00						
KC-135A/FAIRCHILD	0.44	4.00	150.00	9500.00	4.95	9.46						
T-38A/RANDOLPH	0.54	6.00	155.00	2700.00	1.38	0.00						
A-10A/MYRTLE BEACH	0.05	5.00	130.00	1700.00	1.90	0.35						
A-10A/DAVIS-MONTHAN	0.09	6.00	120.00	3750.00	2.05	0.00						

TABLE C-30 GENERIC MODELS PARAMETER DATA

SUBSYSTEM: 49A00 ENGINE FIRE DETECTION

COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS MODEL DEVELOPMENT INPUT DATA
MAINT. ACTION DEMAND = F (EQUIPMENT, OPERATIONAL, & ENVIRONMENTAL CHARACTERISTIC PARAMETERS)

DATA CASE: AIRCRAFT/BASE	MAINT. ACTION DEMAND	EQUIP, OPS, (None) & ENVIRON CHARACTERISTICS PARAMETER I.D. NUMBERS										
		F04	F08	E16	E19	E24						
F-15A/LUKE	0.07	2.00	5.00	360.00	84.00	58.00						
F-15A/BITBURG	0.08	2.00	5.00	225.00	106.00	44.00						
B-52G/FAIRCHILD	0.11	-	4.00	225.00	95.00	24.00						
FB-111A/PLATTSBURGH	0.30	-	14.00	360.00	136.00	1.00						
C-141A/TRAVIS	0.17	0.22	16.00	225.00	146.00	53.00						
KC-135A/FAIRCHILD	0.06	2.20	9.00	225.00	95.00	24.00						
T-38A/RANDOLPH	0.07	-	9.00	180.00	112.00	44.00						
A-10A/MYRTLE BEACH	0.04	3.75	10.00	180.00	105.00	42.00						
A-10A/DAVIS-MONTHAN	0.03	3.75	10.00	135.00	113.00	54.00						

APPENDIX D

ANNOTATED LISTING OF
COMPOSITE MAINTENANCE METRICS AND WEIGHTINGS
REGRESSION EQUATIONS

The tables contained in this appendix display the composite maintenance metrics and weightings multiple regression equations developed from the data sets of Appendix C. The Appendix C data sets are made up of the significant equipment, operational, and environmental parameters which survived the step-wise regression process used to develop each aircraft subsystem's generic models as contained in Appendix B.

Step-wise regression was applied to each of the Appendix C data sets to develop an optimum composite model for each of the 30 equipments included in the study. Each resulting equation is annotated with statistics indicating how well it fits the input data and can be expected to estimate Maintenance Action Demand within the relevant range of the data. These statistics are:

- The Adjusted Multiple Correlation Coefficient.
- The Adjusted Standard Error of the Estimate.
- The Computed "T" Statistic for each included independent variable.

General remarks about each regression model are also included where appropriate. An analysis of each model's step-wise regression process was used as the basis for interpreting the relationships of the various independent variables included in each final equation. Major and minor included variables were determined from analysis of the evolving model statistics and variable interactions at each step of the multiple regression model development process. A possible "real world" explanation for the indicated influence of each major variable on maintenance action demand was also included as an aid to future researchers into the underlying causes for aircraft maintenance demand.

COMPOSITE

MAINTENANCE METRICS MODELS

BASED ON

EQUIP, OPNS, & ENVIRON CHARACTERISTIC PARAMETERS

ESTIMATORS OF MAINTENANCE ACTION DEMAND FOR--

SYSTEM	NOMENCLATURE	TABLE
23000	Propulsion	D-1
51A00	Flight Indicators	D-2
51E00	Air Data System	D-3
51N00	Horizontal Situation Indicator	D-4
52A00	Autopilot	D-5
63A00	UHF Communication Set	D-6
65A00	IFF Transponder Set	D-7
71A00	Inertial Navigation Set	D-8
71C00	Instrument Landing Set	D-9
71D00	TACAN Set	D-10
71F00	Attitude-Heading Reference Set	D-11
74F00	Radar Set	D-12
11A01	Radome	D-13
11A02	Windshield	D-14
11K00	Wings	D-15
12B00	Cockpit Furnishings (seats)	D-16
13A00	Main Landing Gear	D-17
13D00	Brakes	D-18
14C00	Stabilator	D-19
14D00	Rudder	D-20
14H00	Flaps	D-21
41A00	Environmental Control (Water Separator)	D-22
42A00	Aircraft Power (Generators)	D-23
44A01	Navigation/Anti-Collision Lights	D-24
44A02	Landing/Taxi Lights	D-25
45A00	Hydraulic Power (Pumps)	D-26
46A00	Internal Fuel (Tanks)	D-27
47A01	Oxygen Regulator	D-28
47A02	LOX Converter	D-29
49A00	Engine Overheat/Fire Detection	D-30

EXPLANATORY NOTE

ON NEGATIVE CONSTANT COMPONENT OF MODEL

When a negative constant component appears in the model regression equation for a particular equipment item, it may be interpreted as specifying threshold combinations of predictor variable values (all variable terms of equation sum to positive equivalent of constant term) at which Maintenance Action Demand becomes negligible for all combinations of predictor values lower than the threshold value.

TABLE D-1

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\dots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\dots B_{on}OP_{on})+(B_{n1}EN_{n1}+\dots B_{nn}EN_{nn})$$

Equipment Item: WUC-23 Propulsion System

Regression Equation:

EMAD = -57.67505+0.24421(P02)+0.05526(P04)+0.02073(010)+0.20306(027)-...
...-0.79794(032)+7.50856(033)

Where --	P02, Total Number of Installed Engines per Acft.	Computed T = +42.849
	P04, Weight per Engine in Lbs $(10)^{-1}$	Computed T = +29.738
	010, Average Cruise Altitude in Feet $(10)^{-1}$	Computed T = +37.118
	027, Operational Sorties per Acft per Year	Computed T = +33.733
	032, Aircraft Crew Size in No. Aircrew per Acft	Computed T = - 1.915
	033, Average Sortie Length in Hours	Computed T = +21.378

Adjusted Multiple Correlation Coefficient == 1.000
Adjusted Standard Error = 0.810

Remarks:

Model based on 8 valid data points per input variable.

Developed from data set Table C-1.

Possible Interpretation of Relationships:

Intercept: See explanatory note.

P02: Minor regression variable; 1.7% of MAD variance. Exerts implicit influence through reinforecement of Ø27 rather than direct independent influence on MAD.

P04: Minor variable; 2.3% of MAD variance. Acts through the major regression variables to tune model to best data fit. Strongly reinforces Ø10, Ø33, and Ø27.

Ø10: The strongest independent variable; 85.4% of MAD variance. Logical strong positive correlation between cruise altitude and propulsion system maintenance demand.

Ø27: Major variable; 2.2% of MAD variance. Logical positive correlation between operational sortie rate and propulsion maintenance demand.

Ø32: Minor variable; 0% of MAD variance. Possible surrogate for aircraft complexity which fine-tunes the model by acting as a reinforcing influence on P02 and P04, while moderating the effect of Ø10 and Ø27.

Ø33: Major variable; 8.4% of MAD variance. Logical positive correlation between sortie length and propulsion maintenance demand.

TABLE D-2

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-51A Flight Indicators

Regression Equation:
EMAD = -4.65791+0.39813(A03)+0.00036(013)+0.00159(017)-0.00361(E03)+0.04497(E19)

Where --		
	A03, Equipment Weight in Pounds	Computed T = +3.492
	013, Minimum Landing Distance in Feet	Computed T = +3.506
	017, Operations Flying Hours per Aircraft	Computed T = +1.966
	E03, Runway Direction in Compass Degrees	Computed T = -2.138
	E19, Days per Year Maximum Cross Winds 20-29 MPH	Computed T = +2.651

Adjusted Multiple Correlation Coefficient = 0.995
Adjusted Standard Error = 0.441

Remarks:

Model based on 9 valid data points per input variable.

Developed from data set Table C-2.

Possible Interpretation of Relationships:

Intercept: See explanatory note.

A03: The strongest regression variable; 81.4% of MAD variance. Strong positive correlation between Flight Indicators maintenance demand and item weight.

Ø13: Minor variable; 2.1% of MAD variance. Fine-tunes model by moderating effect of A03 and reinforcing effect of Ø17.

Ø17: Major variable; 14.7% of MAD variance. Logical positive correlation between Flight Indicator maintenance demand and operations flying hours.

E03: Minor variable; 0.8% of MAD variance. Fine-tunes model by moderating Ø17 and reinforcing Ø13 and E19.

E19: Minor variable; 0.5% of MAD variance. Fine-tunes model by moderating effects of A03 and Ø17.

TABLE D-3

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-51E Air Data System

Regression Equation:
EMAD = -1.97450+0.02327(A03)-0.03479(A16)-0.00080(008)+0.00052(013)-0.07055(023)-...
...-0.04622(E13)+0.06281(E19)

Where --		
	A03, Equipment Weight in Pounds	Computed T = +13.191
	A16, On-Off Cycles per 10 Flying Hours	Computed T = - 2.644
	008, Average Climb Rate in Feet per Minute	Computed T = -60.049
	013, Minimum Landing Distance in Feet	Computed T = +38.684
	023, Average Number of Aircraft on Alert per Mo.	Computed T = -12.152
	E13, Number of Thunder Days per Year	Computed T = -63.409
	E19, Days per Year with Max. Crosswinds 20-29 MPH	Computed T = +70.998

Adjusted Multiple Correlation Coefficient = = 1.000
Adjusted Standard Error = 0.047

Remarks:

Model based on 9 valid data points per input variable.

Developed from data set Table C-3.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

A03: The strongest regression variable; 55.6% of MAD variance. Strong positive correlation between Air Data System maintenance demand and item weight.

A16: Minor variable; 0% of MAD variance. Fine-tunes model by reinforcing effects of Ø23.

Ø08: Major variable; 30.3% of MAD variance. The strong negative correlation between MAD and climb rate may indicate that climb rate is acting as a surrogate for underlying Air Data System complexity factors.

Ø13: Major variable; 6.9% of MAD variance. The positive correlation between MAD and landing distance is logical if larger aircraft are assumed to have more complex air data systems.

Ø23: Minor variable; 0.2% of MAD variance. Fine-tunes model by strongly reinforcing effects of E13.

E13: Minor variable; 4.8% of MAD variance. Improves model's data fit by strongly reinforcing effects of Ø13 and E19.

E19: Minor variable; 2.3% of MAD variance. Improves model's data fit through strong moderating influence on the effects of A03.

TABLE D-4

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-51N Horizontal Situation Indicator

Regression Equation:
EMAD = -14.29185+0.75146(A07)+1.00320(A16)-0.04932(014)+3.02032(033)+0.17702(E20)

Where --	A07, Cooling Method (Qualitative Scale)	Computed T = + 4.923
	A16, On-Off Cycles per 10 Flying Hours	Computed T = +11.271
	014, Avg. Landing Weight in Lbs.	Computed T = - 7.416
	033, Avg. Sortie Length in Hours	Computed T = +10.299
	E20, No.of Days per Year Max. Crosswinds 30-39 MPH	Computed T = +12.779

Adjusted Multiple Correlation Coefficient = 0.998
Adjusted Standard Error = 0.212

Remarks:

Model based on 9 valid data points per input variable.

Developed from data set Table C-4.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

A07: Minor regression variable; 3.6% of MAD variance. Improves model's data fit by moderating effect of Ø14.

A16: Minor variable; 1.8% of MAD variance. Improves model's data fit by moderating effect of Ø14.

Ø14: The strongest independent variable; 70.4% of MAD variance. Negative correlation of MAD and landing weight may indicate more favorable environment aboard the larger aircraft.

Ø33: Major variable; 8.6% of MAD variance. Logical positive correlation of MAD and sortie length improves data fit of model by moderating Ø14 and reinforcing A07, A16, and E20.

E20: Major variable; 15.4% of MAD variance. Positive correlation of MAD and strong cross-winds may indicate difficulty of successful maintenance under windy conditions.

TABLE D-5

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-52A Autopilot

Regression Equation:
EMAD = +21.94426-0.48130(A03)+0.01587(A04)-1.49585(A13)-0.25773(A19)-0.00041(008)+...
...+0.63684(023)+0.01591(E18)

Where -- A03, Equipment Weight in Lbs.	Computed T = - 5.148
A04, Equipment Volume in Cu. In.	Computed T = + 9.120
A13, Avg. Operating Time per Sortie in Hours	Computed T = -16.681
A19, Failure/Abort Ratio in Percent	Computed T = -28.264
008, Avg. Climb Rate in Feet per Minute	Computed T = - 3.248
023, Avg. Number of Acft. on Alert per Month	Computed T = +15.831
E18, Days per Year Max. Crosswinds 10 - 19 MPH	Computed T = + 5.804

Adjusted Multiple Correlation Coefficient = = 1.000
Adjusted Standard Error = 0.265

Remarks:

Model based on 9 valid data points per input variable.
Developed from data set Table C-5.

Possible Interpretation of Relationships:

Intercept: May be thought of as an irreducible maintenance demand not explained by the constituent model variables.

A03: Minor regression variable; 0.4% of MAD variance. Fine-tunes model by strongly reinforcing A13, A19, and E18.

A04: Major variable; 4.7% of MAD variance. Equipment volume may be a complexity surrogate with a logical positive correlation to MAD.

A13: Major variable; 3.8% of MAD variance. Logical positive correlation with MAD. Reinforces effects of Ø08.

A19: Major variable; 10% of MAD variance. Negative correlation may indicate criticality and therefore design reliability of system.

Ø08: The strongest independent variable; 64.4% of MAD variance. Strong negative correlation between MAD and climb rate reinforced by A13 appears to minimize operating time per sortie and hence maintenance requirements as climb rate increases.

Ø23: Major variable; 16.6% of MAD variance. Logical positive correlation between alert time (therefore operating time) and MAD.

E18: Minor variable; 0.2% of MAD variance. Improves model data fit by moderating A19.

TABLE D-6

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-63A UHF Communication Set

Regression Equation:
EMAD = -101.61993-0.20829(A03)+1.01056(A05)-0.01558(008)+6.73198(018)+1.41466(E18)+...
...+0.91935(E19)-60.98640(E30)

Where --	A03, Equipment Weight in Lbs.	Computed T = -5.946
	A05, Number of SRU's per Unit UHF Set	Computed T = +8.367
	008, Avg. Climb Rate in Feet per Minute	Computed T = -8.431
	018, Misc. Flying Hours per Acft. per Year	Computed T = +7.887
	E18, Days per Year Max. Crosswinds 10-19 MPH	Computed T = +7.157
	E19, Days per Year Max. Crosswinds 20-29 MPH	Computed T = +9.435
	E30, Average Visual Obstruction Type	Computed T = -6.634

Adjusted Multiple Correlation Coefficient = = 1.000
Adjusted Standard Error = 0.535

Remarks:

Model based on 9 valid data points per input variable.

Developed from data set Table C-6.

Possible Interpretation of Relationships:

Intercept: See explanatory note.

A03: Major regression variable; 9.9% of MAD variance. Negative correlation between MAD and equipment weight may indicate greater complexity in miniaturized communication sets.

A05: Minor variable; 2.2% of MAD variance. Improves model data fit by reinforcing effects of E18 and E30.

008: Minor variable; 1.5% of MAD variance. Improves model data fit by reinforcing effects of A05 and E19.

018: Minor variable; 1.0% of MAD variance. Strong linking variable for E18. Good weather, more flying hours.

E18: The strongest independent variable; 81.1% of MAD variance. Relatively quiet weather days seem to generate more flying hours hence more maintenance demand. Indicated by strong link between E18 and 018.

E19: Major variable; 3.4% of MAD variance. Positive correlation between MAD and windy days may indicate difficulty of successful maintenance under windy conditions.

E30: Minor; 0.8% of MAD variance. Improves model data fit by moderating effects of A03.

TABLE D-7

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-65A IFF Set

Regression Equation:
EMAD = +0.88985+0.60248(A02)-0.02592(A09)-0.81308(030)+0.00777(E09)

Where --A02, Equipment Location on Acft. (Qualitative Scale) Computed T = +5.198
A09, Number of Test Points on Unit (Org. Level) Computed T = -5.648
030, Maximum Acft. Speed in Knots Computed T = -2.900
E09, Number of Rain Days per Year Computed T = +2.568

Adjusted Multiple Correlation Coefficient = 0.950
Adjusted Standard Error = 0.487

Remarks:

Model based on 9 valid data points per input variable.

Developed from data set Table C-7.

Possible Interpretation of Relationships:
Intercept:

A02: Major regression variable; 35.4% of MAD variance. Logical positive correlation between MAD and severity of on aircraft environment for the IFF equipment.

A09: Major variable; 39.6% of MAD variance. Logical negative correlation between MAD and availability of flight line test points on equipment.

Ø30: Minor variable; 9.0% of MAD variance. Improves data fit of model by reinforcing effects of A02.

E09: Major variable; 10.0% of MAD variance. Logical positive correlation between MAD and rain environment.

TABLE D-8

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-71A Inertial Navigation Set

Regression Equation:
EMAD = -0.03444+0.34557(A05)

Where -- A05, Number of SRU's per Unit Ins Computed T = +9.230

Adjusted Multiple Correlation Coefficient = 0.983
Adjusted Standard Error = 1.563

Remarks:
Model based on 5 valid data points per input variable.
Developed from data set Table C-8.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

A05: Single significant regression variable is measure of equipment complexity. Logical positive correlation with MAD.

TABLE D-9

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-71C Instrument Landing Set

Regression Equation:
EMAD = -1.12788+0.02543(A06)+0.00395(015)-0.00744(027)-0.02547(E20)

Where --	A06, Operating Temp. Environment in Degrees F	Computed T = +2.901
	015, Total Flying Hours per Acft. per Year	Computed T = +2.784
	027, Operations Sorties per Acft. per Year	Computed T = -1.511
	E20, Days per Year Max. Crosswinds 30-39 MPH	Computed T = -1.146

Adjusted Multiple Correlation Coefficient = 0.977
Adjusted Standard Error = 0.274

Remarks:

Model based on 6 valid data points per input variable.

Developed from data set Table C-9.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

A06: Minor regression variable; 8.0% of MAD variance. Logical positive correlation between MAD and operating temperature moderates effect of Ø15.

Ø15: Major variable; 82.4% of MAD variance. Logical positive correlation between MAD and total flying hours.

Ø27: Minor variable; 5.5% of MAD variance. Improves model data fit by reinforcing the effect of A06.

E20: Minor variable; 2.4% of MAD variance. Improves model data fit by reinforcing the effect of A06 and Ø15 while moderating Ø27.

TABLE D-10

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots,B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-71D Tacan Set

Regression Equation:
EMAD = -1.84254+0.06059(A03)-0.04356(A18)+0.09897(032)+0.00577(E03)-0.01708(E09)+...
...+0.14166(E20)

Where --	A03, Equipment Weight in Lbs.	Computed T = + 6.731
	A18, Ground/Flight Operating Ratio in Percent	Computed T = - 5.542
	032, Acft. Crew Size in No. of People per Acft.	Computed T = + 2.317
	E03, Runway Direction in Compass Degrees	Computed T = + 4.749
	E09, Number of Rain Days per Year	Computed T = - 7.530
	E20, Days per Year Max. Crosswinds 30-39 MPH	Computed T = +25.048

Adjusted Multiple Correlation Coefficient = 0.999
Adjusted Standard Error = 0.298

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-10.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

A03: Minor regression variable; 0.3% of MAD variance. Fine-tunes model by reinforcing E09 and moderating effect of Ø32.

A18: Minor variable; 0.6% of MAD variance. Fine-tunes model by reinforcing A03.

Ø32: Major variable; 6.4% of MAD variance. This variable is probably a surrogate for aircraft complexity which would logically be positively correlated with MAD.

E03: Minor variable; 0.8% of MAD variance. Improves model's data fit by reinforcing the effects of A18, Ø32, and E20.

E09: Minor variable; 1.4% of MAD variance. Improves model's data fit by reinforcing effect of Ø32.

E20: The strongest independent variable; 90.5% of MAD variance. Strong positive correlation between MAD and windy days indicates logical effects of environmental severity.

TABLE D-11

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-71F Attitude-Heading Ref. Set

Regression Equation:
EMAD = -11.43471-1.96712(A08)+0.15487(005)-0.05553(E27)

Where --	A08, Protection Devices (Qualitative Scale)	Computed T = - 3.783
	005, Avg. Take-Off Speed in Knots	Computed T = + 4.924
	E27, Days per Year Min. Temp. was Below 32°F	Computed T = - 2.973

Adjusted Multiple Correlation Coefficient = 0.933
Adjusted Standard Error = 0.985

Remarks:

Model based on 9 valid data points per input variable.

Developed from data set Table C-11.

Possible Interpretation of Relationships:

Intercept: See explanatory note.

A08: Minor regression variable; 13.8% of MAD variance. The higher the quality of equipment protective devices, the fewer maintenance action demands. Moderates effects of Ø05.

Ø05: Major variable; 59.2% of MAD variance. Take-off speed may be considered a measure of the severity of the equipment environment and is logically positively correlated with MAD.

E27: Major variable; 17.2% of MAD variance. This variable links with and strongly reinforces the effects of A08 and Ø05 within the regression model.

TABLE D-12

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: WUC-74F Radar Set

Regression Equation:
EMAD = -163.52568-7.69499(A02)+0.20917(A12)+2.01732(A19)+0.00125(011)+...
...+0.27093(E13)+0.13809(E20)

Where --	A02, Equip. Location on Acft. (Scaled Qualitatively)	Computed T = -317.887
	A12, AGE Unreliability in Percent	Computed T = +187.826
	A19, Failure/Abort Ratio in Percent	Computed T = +238.638
	011, Avg. Descent Rate in Feet per Minute	Computed T = + 68.873
	E13, Number of Thunder Days per Year	Computed T = +123.813
	E20, Days per Year Max. Crosswinds 30-39 MPH	Computed T = + 92.318

Adjusted Multiple Correlation Coefficient = = 1.000
Adjusted Standard Error = 0.041

Remarks:

Model based on 8 valid data points per input variable.

Developed from data set Table C-12.

Possible Interpretation of Relationships:

Intercept: See explanatory note.

A02: Minor regression variable; 2.6% of MAD variance. Improves model's data fit by moderating effect of E13.

A12: Major variable; 6.1% of MAD variance. Logical positive correlation between MAD and AGE unreliability.

A19: Minor variable; 4.0 % of MAD variance. Fine-tunes model by reinforcing A02.

Ø11: Major variable; 13.1% of MAD variance. Descent rate may be considered a measure of the severity of equipment environment and is logically positively correlated with MAD.

E13: The strongest independent variable; 73.1% of MAD variance. Logical positive correlation between severity of environment and MAD.

E20: Minor variable; 1.1% of MAD variance. Fine-tunes model by strongly reinforcing A12 and Ø11.

TABLE D-13

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Radome (WUC 11A01)

Regression Equation: MAD=-2.299+0.058(F08)+0.0274(Ø05)+0.0125(Ø21)-0.078(E18)

Where -- F08	Type of Failure Problems	Computed T = +1.888
Ø05	Average Take-Off Speed	Computed T = +2.097
Ø21	Operations Landings Per Aircraft	Computed T = +7.270
E18	Max. Crosswinds 10-19 MPH	Computed T = -3.280
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.995
Adjusted Standard Error = 0.253

Remarks:

Model based on 7 valid data points per input variable.
Developed from data set Table C-13.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F08: Minor regression variable; 0.9% of MAD variance. Improves model's data fit

Ø05: Minor variable; 1.4% of MAD variance.

Ø21: The dominant independent variable; 90.9% of MAD variance.

E18: Significant variable; 6.3% of MAD variance.

TABLE D-14

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Windshield (WUC 11A02)

Regression Equation: MAD=+18.2433-0.099(F07)-0.0053(Ø15)+0.0309(Ø21)-0.0371(Ø27)-0.0289(E18)

Where --		
F07	Support Equipment Reliability	Computed T = -0.558
Ø15	Total Flying Hours Per Aircraft	Computed T = -2.273
Ø21	Operations Landings Per Aircraft	Computed T = +3.712
Ø27	Operations Sorties Per Aircraft	Computed T = -3.534
E18	Max. Crosswinds 10-19 MPH	Computed T = -1.558
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.973
Adjusted Standard Error = 0.942

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-14.

Possible Interpretation of Relationships:

Intercept: May be thought of as an irreducible maintenance demand not explained by the constituent model variables.

F07: Significant regression variable; 4.0% of MAD variance.

Ø15: Significant variable; 4.6% of MAD variance.

Ø21: Minor variable; 1.3% of MAD variance.

Ø27: Significant variable; 6.8% of MAD variance.

E18: Dominant independent variable; 80.6% of MAD variance.

TABLE D-15

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Wings (WUC 11K)

Regression Equation: MAD=-27.4212+0.0205(F04)-0.0063(Ø08)+0.5034(Ø12)-0.0962(Ø14)+0.0157(Ø21) -0.3339(E13)+0.2438(E20)

Where --		
F04	Equipment Volume	Computed T = + 8.446
Ø08	Average Climb Rate	Computed T = -13.061
Ø12	Average Landing Speed	Computed T = + 5.182
Ø14	Average Landing Weight	Computed T = - 9.388
Ø21	Operations Landings Per Aircraft	Computed T = + 1.993
E13	No. of Thunder Days	Computed T = - 9.736
E20	Maximum Crosswinds 30-39 MPH	Computed T = + 3.039

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 1.883

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-15.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F04: Dominant independent regression variable; 90.8% of MAD variance.

Ø08: Minor variable; 1.8% of MAD variance.

Ø12: Significant variable; 4.7% of MAD variance.

Ø14: Minor variable; 1.6% of MAD variance.

Ø21: Minor variable; 0.5% of MAD variance.

E13: Minor variable; 0.4% of MAD variance.

E20: Minor variable; 0.2% of MAD variance.

TABLE D-16

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Seats (WUC 12B)

Regression Equation: MAD=-4.6375+0.0010(Ø08)+0.0493(Ø12)+0.0086(Ø17)+0.024(Ø21)-0.010(Ø25) -0.0538(Ø27)-0.0245(E19)

Where --	Ø08	Average Climb Rate	Computed T = +15.30
	Ø12	Average Landing Speed	Computed T = +11.097
	Ø17	Operations Flying Hours Per Aircraft	Computed T = +13.157
	Ø21	Operations Landings Per Aircraft	Computed T = +26.900
	Ø25	Total Sorties Per Aircraft	Computed T = -14.472
	Ø27	Operations Sorties Per Aircraft	Computed T = -18.978
	E19	Maximum Crosswinds 20-29 MPH	Computed T = - 8.396

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.012

Remarks:
Model based on 9 valid data points per input variable.
Developed from data Set Table C-16.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

Ø08: Very minor regression varialbe; 0+% of MAD variance. In model for fine tuning purposes only.

Ø12: Very minor variable; 0+% of MAD variance.

Ø17: Minor variable; 0.1% of MAD variance.

Ø21: Dominant independent variable; 89.1% of MAD variance.

Ø25: Very minor variable; 0+% of MAD variance.

Ø27: Significant variable; 8.7% of MAD variance.

E19: Significant variable; 2.1% of MAD variance.

TABLE D-17

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{el}EQ_{el}+\ldots B_{en}EQ_{en})+(B_{ol}OP_{ol}+\ldots B_{on}OP_{on})+(B_{nl}EN_{nl}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Main Landing Gear (WUC 13A)

Regression Equation: MAD=-3.8152+0.0013(F03)+1.1603(F06)+1.7355(F13)+0.0389(Ø14)+0.0101(Ø19)

Where --	F03	Equipment Weight	Computed T = + 8.944
	F06	Support Equipment Complexity	Computed T = +64.944
	F13	Removals to Access Other Equipment	Computed T = +17.811
	Ø14	Average Landing Weight	Computed T = + 9.454
	Ø19	Total Landings Per Aircraft	Computed T = +27.658
			Computed T =
			Computed T =

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.162

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-17.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F03: Significant regression variable; 11.0% of MAD variance.

F06: Significant variable; 8.7% of MAD variance.

F13: Dominant variable of regression; 78.2% of MAD variance.

Ø14: Minor variable; 0.2% of MAD variance.

Ø19: Minor variable; 1.9% of MAD variance.

TABLE D-18

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Brakes (WUC 13D)

Regression Equation: MAD=-31.3801+0.1277(F09)+2.0431(Ø03)+0.1902(Ø05)+0.007(Ø26)-0.0017(Ø31) -0.008(E03)

Where --	F09	Inflight Squawk Verification Rate	Computed T = +3.335
	Ø03	Average Mission Mix	Computed T = +3.535
	Ø05	Average Take-Off Speed	Computed T = +4.774
	Ø26	Training Sorties Per Aircraft	Computed T = +3.683
	Ø31	Service Aircraft Ceiling	Computed T = -3.959
	E03	Runway Direction	Computed T = -6.317
			Computed T =

Adjusted Multiple Correlation Coefficient = 0.986
Adjusted Standard Error = 0.288

Remarks:

Model based on 9 valid data points per input variable.
Developed from data set Able C-18.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F09: Significant regression variable; 5.9% of MAD variance.

Ø03: Minor variable; 0.9% of MAD variance.

Ø05: Major variable; 54.4% of MAD variance.

Ø26: Minor variable; 0.8% of MAD variance.

Ø31: Significant variable; 3.6% of MAD variance.

E03: Major variable; 33.3% of MAD variance.

TABLE D-19

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Stabilator (WUC 14C)

Regression Equation: MAD=-2.469+0.0023(F03)+0.8617(F06)+0.0141(Ø21)-0.0872(E20)

Where -- F03	Equipment Weight	Computed T = +4.316
F06	Support Equipment Complexity	Computed T = +4.804
Ø21	Operations Landings Per Aircraft	Computed T = +3.104
E20	Maximum Crosswinds 30-39 MPH	Computed T = -1.306
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.983
Adjusted Standard Error = 0.979

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-19.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F03: Significant regression variable; 6.3% of MAD variance.

F06: Significant variable; 4.0% of MAD variance.

Ø21: Significant variable; 5.1% of MAD variance.

E20: Dominant variable; 82.4% of MAD variance.

TABLE D-20

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Rudder (WUC 14D)

Regression Equation: MAD=+0.2636+0.0022(Ø15)-1.9625(Ø34)-0.0013(E03)

Where -- Ø15	Total Flying Hours Per Aircraft	Computed T = +11.746
Ø34	Accidents (Major/Minor) Per Aircraft	Computed T = - 3.563
E03	Runway Direction	Computed T = - 1.988
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.991
Adjusted Standard Error = 0.165

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-20.

Possible Interpretation of Relationships:
Intercept: Irreducible maintenance demand not accounted for by model variables.

Ø15: Dominant variable of regression; 92.4% of MAD variance.

Ø34: Significant variable; 5.1% of MAD variance.

E03: Minor variable; 1.1% of MAD variance.

TABLE D-21

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Flaps (WUC 14H)

Regression Equation: MAD=+48.3324+0.010(F03)+0.967(F06)-0.618(F08)-0.023(Ø15)+0.007(Ø27) -0.224(E18)+0.049(E19)

Where --			
F03	Equipment Weight	Computed T =	+80.321
F06	Support Equipment Complexity	Computed T =	+25.359
F08	Type of Failure Problems	Computed T =	-28.847
Ø15	Total Flying Hours Per Aircraft	Computed T =	-58.312
Ø27	Operations Sorties Per Aircraft	Computed T =	+ 6.345
E18	Maximum Crosswinds 10-19 MPH	Computed T =	-74.905
E19	Maximum Crosswinds 20-29 MPH	Computed T =	+ 5.799

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.228

Remarks:

Model based on 9 valid data points per input variable.
Developed from data set Table C-21.

Possible Interpretation of Relationships:

Intercept: Irreducible maintenance demand not accounted for by model variables.

F03: Significant regression variable; 3.3% of MAD variance.

F06: Major subordinate variable; 14.5% of MAD variance.

F08: Minor variable; 1.3% of MAD variance.

Ø15: Significant variable; 5.6% of MAD variance.

Ø27: Minor variable; 0.2% of MAD variance.

E18: Dominant regression variable; 75.0% of MAD variance.

E19: Very minor variable; 0+% of MAD variance.

TABLE D-22

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Water Separator (WUC 41A)

Regression Equation: MAD=-1.249+0.022(E19)-0.0188(E24)

Where --		
E19	Maximum Crosswinds 20-29 MPH	Computed T = +3.070
E24	Mean Minimum Temperature	Computed T = -2.441
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.849
Adjusted Standard Error = 0.423

Remarks:

Model based on 9 valid data points per input variable.
Developed from data set Table C-22.

Possible Interpretation of Relationships:

Intercept: See explanatory note.

E19: Major regression variable; 51.2% of MAD variance.

E24: Major variable; 24.3% of MAD variance.

TABLE D-23

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Generator Assy. (WUC 42A)

Regression Equation: MAD=-1.290+0.904(F13)+0.018(Ø07)

Where -- F13	Removals to Access Other Equipment	Computed T = +4.412
Ø07	Percent of Maximum Take-Off Weight	Computed T = +2.759
		Computed T =
		Computed T =
		Computed T =
		Computed T =
		Computed T =

Adjusted Multiple Correlation Coefficient = 0.923
Adjusted Standard Error = 0.163

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-23

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F13: Dominant independent regression variable; 70.6% of MAD variance.

Ø07: Major subordinate variable; 16.4% of MAD variance.

TABLE D-24

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Anti-Collision Lights (44A01)

Regression Equation: MAD=+27.614-0.1434(F03)+1.070(F06)-0.010(Ø11)-0.019(Ø21)-0.038(Ø25)
-0.084(Ø27)+3.971(E30)

Where --			
	F03	Equipment Weight	Computed T = - 6.959
	F06	Support Equipment Complexity	Computed T = + 7.736
	Ø11	Average Descent Weight	Computed T = -10.647
	Ø21	Operations Landings Per Acircraft	Computed T = +13.019
	Ø25	Total Sorties Per Aircraft	Computed T = -10.010
	Ø27	Operations Sorties Per Aircraft	Computed T = -10.702
	E30	Average Obstruction Type	Computed T = + 8.638

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.077

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-24.

Possible Interpretation of Relationships:
Intercept: Irreducible maintenance demand not accounted for by model variables.

F03: Dominant independent regression variable; 83.8% of MAD variance.

F06: Significant variable; 8.5% of MAD variance.

Ø11: Minor variable; 0.8% of MAD variance.

Ø21: Significant variable; 4.1% of MAD variance.

Ø25: Minor variable; 1.0% of MAD variance.

Ø27: Minor variable; 0.1% of MAD variance.

E30: Minor variable; 1.7% of MAD variance.

TABLE D-25

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Landing/Taxi Lights (WUC-44A02)

Regression Equation: MAD=+4.937+0.280(F03)+18.601(F13)-0.006(Ø15)-0.0498(E18)+0.051(E19)

Where --	F03	Equipment Weight	Computed T = +12.790
	F13	Removals to Access Other Equipment	Computed T = + 9.519
	Ø15	Total Flying Hours Per Aircraft	Computed T = - 7.757
	E18	Maximum Crosswinds 10-19 MPH	Computed T = - 7.536
	E19	Maximum Crosswinds 20-29 MPH	Computed T = + 8.375
			Computed T =
			Computed T =

Adjusted Multiple Correlation Coefficient = 0.999
Adjusted Standard Error = 0.284

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-25.

Possible Interpretation of Relationships:

- Intercept: Irreducible maintenance demand not accounted for by model variables.

F03: Significant variable; 4.8% of MAD variance.

F13: Minor variable; 2.6% of MAD variance.

Ø15: Minor variable; 2.5% of MAD variance.

E18: Dominant variable; 78.8% of MAD variance.

E19: Major variable; 11.2% of MAD variance.

TABLE D-26

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Hydraulic Pumps (WUC 45A)

Regression Equation: MAD=+1.0089-0.031(F11)-0.0001(Ø08)-0.005(Ø14)-0.026(Ø32)+0.288(Ø33)+0.013(E06)-0.079(E08)

Where --			
F11	Ground to Flight Operating Ratio	Computed T =	-9.855
Ø08	Average Climb Rate	Computed T =	-6.668
Ø14	Average Landing Weight	Computed T =	-3.738
Ø32	Aircraft Crew Size	Computed T =	-1.280
Ø33	Average Sortie Length	Computed T =	+7.971
E06	Number of Snow Days	Computed T =	+3.936
E08	Mean Snow Depth	Computed T =	-2.227

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.053

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-26.

Possible Interpretation of Relationships:
Intercept: Irreducible maintenance demand not accounted for by model variables.

F11: Minor regression variable; 1.3% of MAD variance.

Ø08: Minor variable; 0.7% of MAD variance.

Ø14: Minor variable; 0.3% of MAD variance.

Ø32: Minor variable; 0.2% of MAD variance.

Ø33: Minor variable; 1.1% of MAD variance.

E06: Significant variable; 8.5% of MAD variance.

E08: Dominant variable; 87.9% of MAD variance.

TABLE D-27

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Fuel Tanks (WUC 46A)

Regression Equation: MAD=+12.353+0.080(F16)+0.0003(Ø10)-0.0078(Ø15)+0.0169(Ø21)-0.019(Ø27) -0.060(E18)+0.027(E19)

Where --			
	F16	Equipment Protection Methodology	Computed T = + 3.678
	Ø10	Average Cruise Altitude	Computed T = + 8.001
	Ø15	Total Flying Hours Per Aircraft	Computed T = -30.303
	Ø21	Operations Landings Per Aircraft	Computed T = +17.054
	Ø27	Operations Sorties Per Aircraft	Computed T = -15.431
	E18	Maximum Crosswinds 10-19 MPH	Computed T = -19.955
	E19	Maximum Crosswinds 20-29 MPH	Computed T = +11.028

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.151

Remarks:

Model based on 9 valid data points per input variable.
Developed from data set Table C-27.

Possible Interpretation of Relationships:

Intercept: Irreducible maintenance demand not accounted for by model variables.

F16: Minor regression variable; 0.2% of MAD variance.

Ø10: Minor regression variable; 1.0% of MAD variance.

Ø15: Major variable; 17.1% of MAD variance.

Ø21: Minor variable; 1.0% of MAD variance.

Ø27: Significant variable; 3.0% of MAD variance.

E18: Dominant regression variable; 73.4% of MAD variance.

E19: Significant variable; 4.2% of MAD variance.

TABLE D-28

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Oxygen Regulator (WUC 47A01)

Regression Equation: MAD=+5.476-0.121(F03)-0.356(Ø30)+0.038(E06)+0.026(E07)+0.181(E21)
-0.081(E24)-0.065(E27)

Where --

F03	Equipment Weight	Computed T = - 5.639
Ø30	Maximum Aircraft Speed	Computed T = -14.090
E06	Number of Snow Days	Computed T = +25.109
E07	Total Snow Fall	Computed T = +12.655
E21	Maximum Crosswinds 40-49 MPH	Computed T = +23.040
E24	Mean Minimum Temperature	Computed T = -28.036
E27	Days Minimum Temperature was Below 32° "F"	Computed T = -28.309

Adjusted Multiple Correlation Coefficient = 1.000
Adjusted Standard Error = 0.043

Remarks:

Model based on 9 valid data points per input variable.
Developed from data set Table C-28.

Possible Interpretation of Relationships:

Intercept: Irreducible maintenance demand not accounted for by model variables.

F03: Minor regression variable; 0.8% of MAD variance.

Ø30: Minor variable; 3.0% of MAD variance.

E06: Major variable; 13.3% of MAD variance.

E07: Minor variable; 3.2% of MAD variance.

E21: Dominant variable; 65.3% of MAD variance.

E24: Significant regression variable; 7.1% of MAD variance.

E27: Significant variable; 7.2% of MAD variance.

TABLE D-29

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: LOX Converter (WUC 47A02)

Regression Equation: MAD=-2.4302+0.058(F08)+0.016(Ø05)-0.0001(Ø06)+0.168(Ø33)

Where --			
	F08	Type of Failure Problems	Computed T = +2.394
	Ø05	Average Take-Off Speed	Computed T = +5.195
	Ø06	Median Take-Off Distance	Computed T = +2.394
	Ø33	Average Sortie Length	Computed T = +2.846
			Computed T =
			Computed T =
			Computed T =

Adjusted Multiple Correlation Coefficient = 0.980
Adjusted Standard Error = 0.153

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-29.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F08: Major regression variable; 9.7% of MAD variance.

Ø05: Major variable; 12.6% of MAD variance.

Ø06: Minor variable; 1.7% of MAD variance.

Ø33: Dominant independent variable; 73.4% of MAD variance.

TABLE D-30

COMPOSITE MAINTENANCE METRICS MODELS
(Compute estimated maintenance action demand (EMAD) per unit per year as a function of significant equipment, operational, and environmental parameters)

Form of model (multiple regression estimating equation):

$$EMAD = A+(B_{e1}EQ_{e1}+\ldots B_{en}EQ_{en})+(B_{o1}OP_{o1}+\ldots B_{on}OP_{on})+(B_{n1}EN_{n1}+\ldots B_{nn}EN_{nn})$$

Equipment Item: Engine Fire Detection (WUC 49A)

Regression Equation: MAD=-0.316-0.006(F08)+0.0006(E16)+0.004(E19)-0.0017(E24)

Where --			
	F08	Type of Failure Problems	Computed T = -2.469
	E16	Predominate Wind Direction	Computed T = +9.331
	E19	Maximum Crosswinds 20-29 MPH	Computed T = +7.795
	E24	Mean Minimum Temperature	Computed T = -6.571
			Computed T =
			Computed T =
			Computed T =

Adjusted Multiple Correlation Coefficient = 0.992
Adjusted Standard Error = 0.015

Remarks:
Model based on 9 valid data points per input variable.
Developed from data set Table C-30.

Possible Interpretation of Relationships:
Intercept: See explanatory note.

F08: Minor regression variable; 1.5% of MAD variance.

E16: Major regression variable; 41.0% of MAD variance.

E19: Major variable; 45.5% of MAD variance.

E24: Major variable; 11.0% of MAD variance.

APPENDIX E

WEIGHTED AVERAGE
MAINTENANCE TASK SELECTION PROBABILITY
DATA & CALCULATION WORKSHEETS

The tables contained in this appendix are worksheets which include the source data and transformation data necessary to calculate selection probabilities for each of the standard equipment maintenance tasks simulated by aircraft LCOM maintenance networks. One set of worksheets was developed for each of the 30 aircraft subsystems included in the study.

The subsystem task selection probability calculations were based on 'weighted average' task occurrence frequencies which were transformed from the actual task occurrence frequency histories of the study equipment items. This transformation process was necessary for the normalization of the equipment sample data from each of the study aircraft/base combinations to a common subsystem basis-for-comparison of maintenance task selection rates. The calculation methodology used is given in the notes on each worksheet.

The resulting task probability distributions for on-equipment and off-equipment maintenance tasks are displayed for each aircraft/base data case, for each of the 30 study equipment subsystems. These occurrence probabilities are distributed between--

- R (Remove and replace),
- M (Fix in place),

and
- H (Check OK) On-equipment tasks;

and --
- N (Sent on to depot),
- K (Bench check OK),

and
- W (Shop repair) Off-equipment tasks.

The individual data-case task selection probabilities given in this appendix were then combined into overall task selection probabilities and variance statistics for the population of aircraft/bases studied. These statistics are given in Appendix F.

APPENDIX E (Cont)

WEIGHTED AVERAGE

MAINTENANCE TASK SELECTION PROBABILITY WORKSHEETS

NOTE: Each table contains three worksheets with three data-cases each as follows:

SHEET 1: F-15A/Luke, F-15A/Bitburg, B-52G/Fairchild.
SHEET 2: FB-111A/Plattsburgh, C-141A/Travis, KC-135A/Fairchild.
SHEET 3: T-38A/Randolph, A-10A/Myrtle Beach, A-10A/Davis-Monthan.

TABLE E-1 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	616																		616	0.6602
		M (fix)	258																		258	0.2765
		W(check ok)	59																		59	0.0632
		TOTALS	933																		933	0.9999
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	1985																		1985	0.7597
		K(check ok	69																		69	0.0264
		W (fix)	559																		559	0.2139
		TOTALS	2613																		2613	1.0000
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	580																		580	0.2873
		M	607																		607	0.3006
		H	832																		832	0.4121
		TOTALS	2019																		2011	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	689																		684	0.6788
		K	62																		62	0.0611
		W	264																		264	0.2601
		TOTALS	1015																		1015	1.0000
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	430																		430	0.1091
		M	3438																		3438	0.8726
		H	72																		72	0.0183
		TOTALS	3940																		3940	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	1426																		1426	0.5144
		K	471																		471	0.1699
		W	875																		875	0.3157
		TOTALS	2772																		2772	1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-1 SHEET 2

AIRCRAFT/BASE	EQUIPMENT	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R (remove)	409																		409	0.2211
		N (fix)	1038																		1038	0.5611
		M(check ok	403																		403	0.2178
		TOTALS	1850																		1850	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N (sent on)	355																		355	0.1838
		K (check ok	204																		204	0.1056
		W (fix)	1372																		1372	0.7105
		TOTALS	1931																		1931	0.9999
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	2568																		2565	0.3102
		N	5383																		5383	0.6503
		M	327																		327	0.0395
		TOTALS	8278																		8278	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	2475																		2475	0.4232
		K	636																		636	0.1088
		W	2737																		2737	0.4680
		TOTALS	5848																		5848	1.0000
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	433																		433	0.1149
		N	3002																		3002	0.7967
		M	333																		333	0.0884
		TOTALS	3768																		3768	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	2061																		2061	0.6760
		K	389																		389	0.1276
		W	599																		599	0.1965
		TOTALS	3049																		3049	1.0001
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-1 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	849																		849	0.5276
		N (fix)	539																		539	0.3043
		N(check ok)	333																		333	0.1880
		TOTALS	1771																		1771	0.9999
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	1637																		1637	0.1616
		K(check ok)	4771																		4771	0.4710
		W (fix)	3721																		3721	0.3674
		TOTALS	10129																		10129	1.0000
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE:A-10A/MYRTLE BEACH	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	3																		3	0.5000
		N	3																		3	0.5000
		N	0																		0	0
		TOTALS	6																		6	1.000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0																		0	0
		K	0																		0	0
		W	1																		1	1.0000
		TOTALS	1																		1	1.0000
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 23000 PROPULSION AIRCRAFT/BASE:A-10A/DAVIS-MONTHAN	ON EQUIPMENT		23		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	79																		79	0.3420
		N	130																		130	0.5628
		N	22																		22	0.0952
		TOTALS	231																		231	1.0001
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	13																		13	0.0909
		K	25																		25	0.1748
		W	105																		105	0.7343
		TOTALS	143																		143	1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-2 SHEET 1

Subsystem network / aircraft/base	Equipment	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE: F-15A/LUKE			51A		WUC:		WUC: 51AD		WUC: 51AH		WUC: 51AK		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	87				17	2.543	6	0.756	10	0.866							54	34.441	38.606	0.6717
		H (fix)	23				2	0.299	9	1.134	1	0.087							11	7.016	8.536	0.1485
		M(check ok)	17				0	0	1	0.126	0	0							16	10.205	10.331	0.1798
		TOTALS	127				19		16		11								81		57.473	1.0000
		OCCURRENCE WEIGHTS						0.1496		0.1260		0.0866								0.6378		
	OFF EQUIPMENT	N (sent on)	72				11	1.781	5	0.238	8	0.838							48	32.914	35.771	0.6685
		K (check ok)	30				6	0.471	0	0	3	0.314							21	14.400	15.685	0.2931
		W (fix)	3				0	0	0	0	0	0							3	2.051	2.057	0.0384
		TOTALS	105				17		5		11								72		53.513	1.0000
		OCCURRENCE WEIGHTS						0.1619		0.0476		0.1048								0.6857		
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE: F-15A/BITBURG			51A		WUC:		WUC: 51AD		WUC: 51AH		WUC: 51AK		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	45				13	3.151	3	0.227	5	0.531							24	13.819	17.728	0.6595
		H	10				2	0.485	0	0	0	0							8	4.606	5.041	0.1874
		M	11				1	0.242	2	0.152	2	0.212							6	3.455	4.061	0.1511
		TOTALS	66				16		5		7								38		26.880	1.0000
		OCCURRENCE WEIGHTS						0.2424		0.0758		0.1061								0.5758		
	OFF EQUIPMENT	N	43				15	4.830	0		4	0.339							24	14.237	19.406	0.7109
		K	14				3	0.966	0		1	0.085							10	5.932	6.983	0.2558
		W	2				1	0.322	0		0	0							1	0.593	0.915	0.0335
		TOTALS	59				19		0		5								35		27.304	
		OCCURRENCE WEIGHTS						0.3220				0.0847								0.5932		
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE: B-52G/FAIRCHILD			51AA	51AN	WUC:		WUC: 51AAA		WUC: 51ANB		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	13	93			2	0.147	28	6.012									76	54.089	60.249	0.6344
		H	21	30			8	4.606	7	1.503									36	25.621	31.730	0.3341
		M	2	4			2	0.147	0	0									4	2.847	2.994	0.0315
		TOTALS	36	127			12		35										116		94.972	
		OCCURRENCE WEIGHTS		163				0.0736		0.2147										0.7117		
	OFF EQUIPMENT	N	18	91			6	0.365	30	7.827									73	49.516	57.708	0.9436
		K	5	0			1	0.061	0	0									4	2.713	2.774	0.0454
		W	0	1			0	0	0	0									1	0.678	0.678	0.0111
		TOTALS	23	92			7		30										78		61.160	1.0001
		OCCURRENCE WEIGHTS		115				0.0609		0.2609										0.6783		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-2 SHEET 2

SUBSYSTEM NETWORK		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:		ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE:FB-111A/PLATTSBURGH			51AB			WUC: 51ABA		WUC: 51ABG		WUC: 51ABP		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	278			25	3.640	92	24.113	32	4.659							129	57.611	90.023	0.7036
		N (fix)	85			29	4.222	3	0.786	22	3.203							31	13.845	22.456	0.1724
		N(check ok)	49			6	0.874	13	3.407	6	0.874							24	10.718	15.873	0.1241
		TOTALS	412			60		108		60								184			1.0001
		OCCURRENCE WEIGHTS					0.1456		0.2621		0.1456								0.4466		
	OFF EQUIPMENT	N(sent on)	167			12	0.673	53	18.327	22	3.084							80	36.632	58.716	0.7854
		K(check ok)	35			0	0	20	6.338	3	0.421							12	5.495	12.254	0.1639
		W (fix)	12			0	0	1	0.346	5	0.701							6	2.747	3.794	0.0507
		TOTALS	214			12		74		30								98			1.0000
		OCCURRENCE WEIGHTS					0.0561		0.3458		0.1402								0.4579		
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE:C-141A/TRAVIS			51AA	51BH		WUC: 51AAC		WUC: 51BHA		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	267	35		56	14.958	22	1.720									224	146.653	163.331	0.5256
		N	217	33		98	26.176	23	1.799									129	84.456	112.431	0.3618
		H	58	4		10	2.671	3	0.285									44	32.080	34.986	0.1126
		TOTALS	542	72		164		48										402		310.748	1.0000
		OCCURRENCE WEIGHTS		614			0.2671		0.0772										0.6547		
	OFF EQUIPMENT	N	230	24		49	6.199	18	0.788									187	155.154	162.141	0.5585
		K	46	0		3	0.380	0	0									43	35.677	36.057	0.1242
		W	111	0		0	0	0	0									111	92.097	92.097	0.3173
		TOTALS	387	24		52		18										341		290.295	1.0000
		OCCURRENCE WEIGHTS		411			0.1265		0.0438										0.8297		
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE:KC-135A/FAIRCHILD			51B	5111	5113	WUC: 51BD		WUC: 51116		WUC: 51132		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	38	4	6	2	0.065	2	0.090	5	0.387							39	32.963	33.505	0.2988
		N	79	8	8	3	0.097	5	0.226	7	0.542							80	67.616	68.481	0.6107
		H	11	1	0	0	0	0	0	0	0							12	10.142	10.142	0.0905
		TOTALS	128	13	14	5		7		12								131		112.128	1.0000
		OCCURRENCE WEIGHTS			55		0.0323		0.0452		0.0774								0.8452		
	OFF EQUIPMENT	N	39	5	7	3	0.123	2	0.055	5	0.342							41	35.383	35.903	0.6541
		K	6	0	0	0	0	0	0	0	0							6	5.178	5.178	0.0943
		W	16	0	0	0	0	0	0	0	0							16	13.808	13.908	0.2516
		TOTALS	61	5	7	3		2		5								63		54.889	1.0000
		OCCURRENCE WEIGHTS			73		0.0411		0.0274		0.0685								0.8630		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-2 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE: T-38A/RANDOLPH		5111	5121	WUC:		WUC: 51112		WUC: 51116		WUC: 51216		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	210	588			83	2.852	47	4.493	106	13.579							562	383.059	408.983	0.7834
	N (fix)	115	106			12	1.135	49	4.684	26	3.331							134	91.334	100.484	0.1925
	N(check ok)	14	13			4	0.378	4	0.382	2	0.256							17	11.587	12.603	0.0241
	TOTALS	339	707			99		100		134								713		522.070	1.0000
	OCCURRENCE WEIGHTS		1046				0.0946		0.0956		0.1281								0.6816		
OFF EQUIPMENT	N(sent on)	210	462			70	8.470	34	1.452	96	11.712							472	337.150	358.784	0.6572
	K(check ok)	49	202			26	3.146	3	0.128	22	2.684							200	142.860	148.818	0.2726
	N (fix)	36	49			26	3.146	6	0.256	5	0.610							48	34.286	38.298	0.0702
	TOTALS	295	713			122		43		123								720		545.900	1.0000
	OCCURRENCE WEIGHTS		1008				0.1210		0.0427		0.1220								0.7143		
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE: A-10A/MYRTLE BEACH		51CA	51CD	WUC:		WUC: 51CAA		WUC: 51CAC		WUC: 51CDP		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	1	0			1	0.250	0		0								0	0	0.250	0.1000
	N	0	3			0	0	0		0								3	2.250	2.250	0.9000
	N	0	0			0	0	0		0								0	0	0	0
	TOTALS	1	3			1		0		0								3		2.500	1.0000
	OCCURRENCE WEIGHTS		4				0.2500												0.7500		
OFF EQUIPMENT	N	1	0			1	1.000	0		0								0	1.000	1.000	1.0000
	K	0	0			0	0	0		0								0	0	0	0
	W	0	0			0	0	0		0								0	0	0	0
	TOTALS	1	0			1		0		0								0		1.000	1.0000
	OCCURRENCE WEIGHTS						1.0000														
SUBSYSTEM NETWORK: 51A00 FLIGHT INDICATORS AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		51CA	51CD	WUC:		WUC: 51CAA		WUC: 51CAC		WUC: 51CDP		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	24	15			12	4.000	9	3.000	6	2.000							12	4.000	13.000	0.7647
	N	5	4			4	1.333	0	0	2	0.667							3	1.000	3.000	0.1765
	N	1	2			1	0.333	0	0	0	0							2	0.667	1.000	0.0588
	TOTALS	30	21			17		9		8								17		17.000	1.0000
	OCCURRENCE WEIGHTS		51				0.3333		0.1765		0.1569								0.3333		
OFF EQUIPMENT	N	18	13			11	3.559	7	1.853	3	0.353							10	2.941	8.706	0.9308
	K	2	1			0	0	2	0.529	1	0.118							0	0	.647	0.0692
	W	0	0			0	0	0	0	0	0							0	0	0	0
	TOTALS	20	14			11		9		4								10		9.353	1.0000
	OCCURRENCE WEIGHTS		34				0.3235		0.2647		0.1176								0.2941		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-3 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM AIRCRAFT/BASE:F-15A/LUKE			51E		WUC:		WUC: 51EA		WUC: 51ED		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R (remove)	42				30	15.216	5	0.362									7	2.442	18.520	0.6112
		M (fix)	13				4	2.029	0	0									9	3.783	5.812	0.1918
		H(check ok)	14				1	0.507	0	0									13	5.464	5.971	0.1970
		TOTALS	69				35		5										29		30.303	1.0000
		OCCURRENCE WEIGHTS						0.5072		0.0725										0.4203		
	OFF EQUIPMENT	M(sent on)	17				12	10.189	5	0.754									0		10.943	0.2776
		K(check ok	15				12	10.189	3	0.453									0		10.642	0.2700
		W (fix)	21				21	17.831	0	0									0		17.831	0.4524
		TOTALS	53				45		8										0		39.416	1.0000
		OCCURRENCE WEIGHTS						0.8491		0.1509												
SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM AIRCRAFT/BASE:F-15A/BITBURG			51E		WUC:		WUC: 51EA		WUC: 51ED		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	17				11	3.782	4	0.500									2	1.062	5.344	0.2007
		M	22				4	1.375	0	0									18	4.562	10.437	0.4108
		H	25				7	2.407	4	0.500									14	7.437	10.344	0.3895
		TOTALS	64				22		8										34		26.625	1.0000
		OCCURRENCE WEIGHTS						0.3438		0.1250										0.5312		
	OFF EQUIPMENT	M	13				5	3.500	8	2.134									0	0	5.634	0.3340
		K	9				9	6.300	0	0									0	0	6.300	0.3735
		W	8				7	4.900	0	0									1	0.033	4.933	0.2925
		TOTALS	30				21		8										1		16.867	1.0000
		OCCURRENCE WEIGHTS						0.7000		0.2667										0.0333		
SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM AIRCRAFT/BASE:B-52G/FAIRCHILD			51DA	73CC	WUC:		WUC: 51DAAA		WUC: 73CCA		WUC: 73CCC		WUC: 73CCG		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	5	99			4	0.500	14	1.166	3	0.056	10	0.602					73	52.049	54.373	0.4706
		M	20	31			17	2.125	2	0.167	0	0	2	0.120					30	21.390	23.802	0.2060
		H	8	53			6	0.750	2	0.167	1	0.018	1	0.060					51	36.363	37.358	0.3234
		TOTALS	33	183			27		18		4		13						154		115.533	1.0000
		OCCURRENCE WEIGHTS		216				0.1250		0.0833		0.0185		0.0602						0.7130		
	OFF EQUIPMENT	M	0	110			0		15	1.800	5	0.200	12	1.152					78	58.032	61.184	0.8457
		K	0	3			0		0	0	0	0	0	0					3	2.232	2.232	0.0309
		W	0	12			0		0	0	0	0	0	0					12	8.928	8.929	0.1234
		TOTALS	0	125			0		15		5		12						93		72.344	1.0000
		OCCURRENCE WEIGHTS								0.1200		0.0400		0.0960						0.7440		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-3 SHEET 2

SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM
AIRCRAFT/BASE: T-38A/RANDOLPH

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		5112	5131	WUC:		WUC: 51122		WUC: 51127		WUC: 5131A		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	73	74			16	1.733	39	6.338	56	17.388							36	15.077	40.536	0.4722
	N (fix)	48	64			8	0.866	3	0.488	30	9.315							71	29.735	40.404	0.4707
	N(check ok)	17	1			6	0.650	3	0.488	0	0							9	3.769	4.907	0.0572
	TOTALS	138	139			30		45		86								116		85.847	1.0001
	OCCURRENCE WEIGHTS		277				0.1053		0.1625		0.3105								0.4138		
OFF EQUIPMENT	N (sent on)	16	67			0	0	11	3.043	22	7.605							50	18.615	27.263	0.4651
	K (check ok	6	38			1	0.005	4	1.106	21	7.260							18	6.701	15.072	0.2395
	W (fix)	37	24			0	0	37	10.234	22	7.605							2	0.745	18.584	0.2454
	TOTALS	59	129			1		52		65								70		62.919	1.0000
	OCCURRENCE WEIGHTS		189				0.0053		0.2766		0.3457								0.3723		

SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM
AIRCRAFT/BASE: A-10A/MYRTLE BEACH

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		51CD	51CG	WUC:		WUC: 51CDA		WUC: 51CDK		WUC: 51CGA		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	0	0			0		0	0	0								0	0	0	0
	N	3	0			0		1	0.333	0								2	1.333	1.666	1.0000
	H	0	0			0		0	0	0								0	0	0	0
	TOTALS	3	0			0		1		0								2		1.666	1.0000
	OCCURRENCE WEIGHTS		3						0.3333										0.6667		
OFF EQUIPMENT	N	0	0			0		0		0								0	0	0	0
	K	0	0			0		0		0								0	0	0	0
	W	0	0			0		0		0								0	0	0	0
	TOTALS	0	0			0		0		0								0		0	0
	OCCURRENCE WEIGHTS																				

SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM
AIRCRAFT/BASE: A-10A/DAVI -MONTHAN

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		51CD	51CG	WUC:		WUC: 51CDA		WUC: 51CDK		WUC: 51CGA		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	15	2			2	0.200	5	1.000	1	0.033							9	6.000	7.233	0.4865
	N	4	5			0	0	0	0	0	0							9	6.000	6.000	0.4036
	H	2	2			1	0.100	1	0.200	0	0							2	1.333	1.633	0.1098
	TOTALS	21	9			3		6		1								20		14.866	0.9999
	OCCURRENCE WEIGHTS		30				0.1000		0.2000		0.0333								0.6667		
OFF EQUIPMENT	N	13	0			1	0.071	6		0								6	3.000	3.071	0.8600
	K	1	0			0	0	0	0	0								1	0.500	0.500	0.1400
	W	0	0			0	0	0	0	0								0	0	0	0
	TOTALS	14	0			1		6		0								7		3.571	1.0000
	OCCURRENCE WEIGHTS						0.0714		0.4286										0.5000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-3 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH		51FA	52BA	52BC	WUC: 51FAA		WUC: 52BAA		WUC: 52BCC		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	10	126	45	9	1.567	126	63.932	30	4.890							16	2.490	72.879	0.7973
	M (fix)	38	2	31	33	5.745	2	1.015	12	1.956							24	3.734	12.450	0.1362
	H(check ok)	5	9	4	5	0.870	9	4.567	2	0.326							2	0.311	6.074	0.0665
	TOTALS	53	137	80	47		137		44								42		91.403	1.0000
	OCCURRENCE WEIGHTS			270		0.1741		0.5074		0.1630								0.1556		
OFF EQUIPMENT	N(sent on)	0	43	22	0		1	0.655	22	2.693							42	9.215	12.566	0.1292
	K(check ok	0	51	1	0		51	33.568	1	0.122							0	0	33.690	0.3463
	M (fix)	1	77	1	0		77	50.681	1	0.122							1	0.219	51.022	0.5245
	TOTALS	1	171	24	0		129		24								43			1.0000
	OCCURRENCE WEIGHTS			196				0.6552		0.1224								0.2194		
SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM AIRCRAFT/BASE: C-141A/TRAVIS		51AA			WUC: 51AAA		WUC: 51AAE		WUC: 51AB		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	292			157	55.672	0		16	0.915							119	69.996	126.583	0.4354
	M	245			51	18.085	0		18	1.030							176	103.523	122.638	0.4219
	H	75			9	3.191	0		1	0.057							65	38.233	41.481	0.1427
	TOTALS	612			217		0		35								360		290.102	1.0000
	OCCURRENCE WEIGHTS					0.3546				0.0572								0.5882		
OFF EQUIPMENT	N	250			18	6.554	59	8.272	15	0.981							158	65.349	81.456	0.5598
	K	52			37	14.090	0	0	3	0.196							12	4.963	19.249	0.1323
	M	126			108	41.126	1	0.140	10	0.654							7	2.895	44.815	0.3080
	TOTALS	428			163		60		28								177		145.520	1.0001
	OCCURRENCE WEIGHTS					0.3808		0.1402		0.0654								0.4136		
SUBSYSTEM NETWORK: 51E00 AIR DATA SYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD		51B			WUC: 51BA		WUC: 51BE		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	38			10	1.172	15	8.438									13	4.164	13.774	0.2487
	M	79			5	0.586	57	32.062									17	5.445	38.093	0.6877
	H	11			0	0	0	0									11	3.523	3.523	0.0636
	TOTALS	128			15		72										41		55.390	1.0000
	OCCURRENCE WEIGHTS					0.1172		0.5625										0.3203		
OFF EQUIPMENT	N	39			11	3.968	13	2.770									15	6.393	13.131	0.6027
	K	6			2	0.721	0	0									4	1.705	2.426	0.1114
	M	16			9	3.246	0	0									7	2.983	6.229	0.2859
	TOTALS	61			22		13										26		21.786	1.0000
	OCCURRENCE WEIGHTS					0.3607		0.2131										0.4262		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-4 SHEET 1

Subsystem / Aircraft	Equipment	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB.
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: F-15A/LUKE			51N		WUC: 51NA		WUC: 51NB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	30		21	11.941	7	1.098											2	0.549	13.588	0.6294
		M (fix)	4		2	1.137	1	0.157											1	0.274	1.568	0.0726
		H(check ok)	17		6	3.412	0	0											11	3.020	6.432	0.2979
		TOTALS	51		29		8												14		21.588	0.9999
		OCCURRENCE WEIGHTS				0.5686		0.1569												0.2745		
	OFF EQUIPMENT	N(sent on)	32		16	6.000	16	10.000											0		16.000	0.5378
		K(check ok	14		5	1.875	9	5.625											0		7.500	0.2521
		W (fix)	10		0	0	10	6.250											0		6.250	0.2101
		TOTALS	56		21		35												0		29.750	1.0000
		OCCURRENCE WEIGHTS				0.3750		0.6250														
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: F-15A/BITBURG			51N		WUC: 51NA		WUC: 51NB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	39		20	9.556	19	5.067											0	0	14.623	0.4455
		M	7		5	2.389	1	0.267											1	0.256	2.912	0.0887
		H	44		18	8.600	4	1.067											22	5.623	15.290	0.4658
		TOTALS	90		43		24												23		32.825	1.0000
		OCCURRENCE WEIGHTS				0.4778		0.2667												0.2556		
	OFF EQUIPMENT	N	17		12	5.728	5	2.614											0		8.342	0.3784
		K	12		9	4.296	3	1.568											0		5.864	0.2660
		W	15		0	0	15	7.840											0		7.840	0.3556
		TOTALS	44		21		23												0		22.046	1.0000
		OCCURRENCE WEIGHTS				0.4773		0.5227														
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: B-52G/FAIRCHILD			71AF		WUC: 71AFJ		WUC: 71AFK		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	59		49	39.925	9	1.444											1	0.025	41.394	0.7403
		M	12		8	6.518	4	0.642											0	0	7.160	0.1281
		H	10		9	7.333	0	0											1	0.025	7.358	0.1316
		TOTALS	81		66		13												2		55.912	1.0000
		OCCURRENCE WEIGHTS				0.8148		0.1605												0.0247		
	OFF EQUIPMENT	N	61		48	36.571	11	1.921											2	0.127	38.619	0.9967
		K	1		0	0	0	0											1	0.064	0.064	0.0017
		W	1		0	0	0	0											1	0.064	0.064	0.0017
		TOTALS	63		48		11												4		38.747	1.0001
		OCCURRENCE WEIGHTS				0.7619		0.1746												0.0635		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-4 SHEET 2

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: FB-111A/PLATTSBURGH		51AB	51BA	WUC: 51ABE		WUC: 51BAF		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	278	5	48	6.907	5	0.130											230	190.946	197.983	0.6571
	M (fix)	85	6	5	0.720	5	0.130											81	67.246	68.096	0.2260
	H(check ok)	49	1	8	1.151	1	0.026											41	34.038	35.215	0.1169
	TOTALS	412	12	61		11												352		301.294	1.0000
	OCCURRENCE WEIGHTS		024		0.1439		0.0259												0.8302		
OFF EQUIPMENT	N(sent on)	167	3	31	5.496	3	0.082											136	108.188	113.766	0.7777
	K(check ok)	35	0	5	0.886	0	0											30	23.865	24.751	0.1692
	W (fix)	12	3	3	0.532	3	0.082											9	7.160	7.774	0.0531
	TOTALS	214	6	39		6												175		146.291	1.0000
	OCCURRENCE WEIGHTS		220		0.1773		0.0273												0.7955		
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: C-141A/TRAVIS		51BG		WUC: 51BGA		WUC: 51BGK		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	235		8	0.289	61	15.311											166	118.341	133.941	0.4698
	M	170		10	0.361	31	7.781											129	91.964	100.106	0.3511
	H	93		0	0	33	8.283											60	42.774	51.057	0.1791
	TOTALS	498		18		125												355		285.104	1.0000
	OCCURRENCE WEIGHTS				0.0361		0.2510												0.7129		
OFF EQUIPMENT	N	215		0		47	10.133											168	131.779	141.912	0.9837
	K	1		0		0	0											1	0.784	0.784	0.0054
	W	2		0		0	0											2	1.569	1.569	0.0109
	TOTALS	218		0		47												171		144.265	1.0000
	OCCURRENCE WEIGHTS						0.2156												0.7844		
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: KC-135A/FAIRCHILD		51A		WUC: 51AAD		WUC: 51AC		WUC: 51AD		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	130		20	2.338	9	0.428	9	0.624									92	70.490	73.880	0.5262
	M	74		6	0.701	2	0.095	6	0.416									60	45.972	47.184	0.3361
	H	27		1	0.117	0	0	1	0.069									25	19.155	19.341	0.1378
	TOTALS	231		27		11		16										177		140.405	1.0001
	OCCURRENCE WEIGHTS				0.1169		0.0476		0.0693										0.7662		
OFF EQUIPMENT	N	101		19	2.675	7	0.542	11	1.085									64	43.718	48.020	0.6734
	K	2		1	0.141	0	0	0	0									1	0.683	0.824	0.0116
	W	39		0	0	4	0.310	3	0.296									32	21.859	22.465	0.3150
	TOTALS	142		20		11		14										97		71.301	1.0000
	OCCURRENCE WEIGHTS				0.1408		0.0775		0.0986										0.6831		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-4 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		5121		WUC: 51213		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	588		140	32.676													448	343.437	376.113	0.8284
		N (fix)	106		19	4.435													87	66.694	71.129	0.1567
		H(check ok	13		6	1.400													7	5.366	6.766	0.0149
		TOTALS	707		165														542		454.008	1.0000
		OCCURRENCE WEIGHTS				0.2334														0.7666		
	OFF EQUIPMENT	N(sent on)	462		112	22.938													350	278.320	301.258	0.6266
		K(check ok	202		28	5.734													174	138.365	144.099	0.2997
		W (fix)	49		6	1.229													43	34.194	35.423	0.0737
		TOTALS	713		146														567		480.780	1.0000
		OCCURRENCE WEIGHTS				0.2048														0.7952		
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT		51G	63A	WUC: 51GA		WUC: 63AD		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	0	0	0		0												0			0
		N	0	0	0		0												0			0
		H	0	0	0		0												0			0
		TOTALS	0	0	0		0												0			0
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0	0	0		0												0			0
		K	0	0	0		0												0			0
		W	0	0	0		0												0			0
		TOTALS	0	0	0		0												0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 51N00 HORIZONTAL SITUATION INDICATOR AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN	ON EQUIPMENT		51G	63A	WUC: 51GA		WUC: 63AD		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	16	24	16	3.693	9	1.269											15	9.423	14.385	0.3942
		N	1	27	1	0.231	2	0.282											25	15.705	16.218	0.4445
		H	1	9	1	0.231	0	0											9	5.654	5.885	0.1613
		TOTALS	18	60	18		11												49		36.488	1.0000
		OCCURRENCE WEIGHTS		78		0.2308		0.1410												0.6282		
	OFF EQUIPMENT	N	10	10	10	3.548	5	1.129											5	2.097	6.774	0.6194
		K	1	5	1	0.355	2	0.452											3	1.258	2.065	0.1888
		W	0	5	0	0	0	0											5	2.097	2.097	0.1918
		TOTALS	11	20	11		7												13		10.936	1.0000
		OCCURRENCE WEIGHTS		31		0.3548		0.2258												0.4194		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-5 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: F-15A/LUKE			52A		MUC: 52AA		MUC: 52AB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	43		16	3.765	14	2.471											13	7.647	13.883	0.3776
		M (fix)	10		4	0.941	1	0.176											5	2.941	4.058	0.1104
		H(check ok	32		0	0	0	0											32	18.822	18.822	0.5120
		TOTALS	85		20		15												50		34.763	1.0000
		OCCURRENCE WEIGHTS				0.2353		0.1765												0.5882		
	OFF EQUIPMENT	N(sent on)	14		1	0.370	11	4.822											2	0.384	5.576	0.2088
		K(check ok	14		6	2.219	3	1.315											5	0.959	4.493	0.1683
		W (fix)	45		20	7.398	18	7.891											7	1.343	16.632	0.6229
		TOTALS	73		27		32												14		26.701	1.0000
		OCCURRENCE WEIGHTS				0.3699		0.4384												0.1918		
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: F-15A/BITBURG			52A		MUC: 52AA		MUC: 52AB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	33		16	2.542	11	1.131											6	4.430	8.103	0.1304
		M	16		1	0.159	0	0											15	11.074	11.233	0.1807
		H	58		0	0	0	0											58	42.821	42.821	0.6889
		TOTALS	107		17		11												79		62.157	1.0000
		OCCURRENCE WEIGHTS				0.1589		0.1028												0.7383		
	OFF EQUIPMENT	N	7		5	2.143	1	0.393											1	0.179	2.715	0.1311
		K	21		7	3.000	10	3.929											4	0.714	7.643	0.3689
		W	28		12	5.143	11	4.322											5	0.893	10.358	0.5000
		TOTALS	56		24		22												10		20.716	1.0000
		OCCURRENCE WEIGHTS				0.4286		0.3929												0.1786		
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: B-52G/FAIRCHILD			52AA	52AB	MUC: 52AAD		MUC: 52ABB		MUC: 52ABK		MUC: 52ABX		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	19	96	13	2.213	67	33.734	0		18	2.299							17	3.376	41.622	0.8727
		M	18	7	11	1.872	3	1.510	0		0	0							11	2.185	5.567	0.1167
		H	0	1	0	0	1	0.504	0		0	0							0	0	0.504	0.0106
		TOTALS	37	104	24		71		0		18								28		47.693	1.0000
		OCCURRENCE WEIGHTS		NI		0.1702		0.5035		0		0.1277								0.1986		
	OFF EQUIPMENT	N	3	62	2	0.237	18	8.136	13	0.968	11	1.367							21	4.864	15.572	0.3003
		K	9	37	6	0.712	20	9.040	0	0	3	0.373							17	3.937	14.062	0.2712
		W	16	50	13	1.542	42	18.984	0	0	8	0.994							3	0.695	22.215	0.4285
		TOTALS	28	149	21		80		13		22								41		51.849	1.0000
		OCCURRENCE WEIGHTS		177		0.1186		0.4520		0.0745		0.1243								0.2316		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-5 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		52AA	52AB	52AB	52AD	WUC: 52AAA		WUC: 52ABA		WUC: 52ACA		WUC: 52ADA		WUC:		WUC:		subsys residual			
		R (remove)	61	61	97	98	48	6.029	59	8.508	93	20.116	95	23.864					22	5.792	64.299	0.6939
		N (fix)	11	6	2	17	3	0.377	1	0.144	0	0	10	2.512					22	5.792	8.815	0.0951
		H(check ok)	33	21	15	8	3	0.377	2	0.288	0	0	3	0.754					69	18.133	19.552	0.2110
		TOTALS	105	88	114	123	54		62		93		108						113		92.666	1.0000
		OCCURRENCE WEIGHTS				430		0.1256		0.1442		0.2163		0.2512						0.2628		
	OFF EQUIPMENT	N(sent on)	40	26	30	34	0	0	0	0	3	0.601	0	0					127	40.196	40.797	0.3785
		K(check ok)	28	34	63	59	27	2.962	33	4.455	61	12.224	57	13.589					6	1.899	35.129	0.3259
		W (fix)	37	32	34	57	25	2.742	31	4.185	31	6.212	56	13.350					17	5.380	31.869	0.2956
		TOTALS	105	92	127	150	52		64		95		113						150		107.795	1.0000
		OCCURRENCE WEIGHTS				474		0.1097		0.1350		0.2004		0.2384						0.3165		
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		52AA	52AC			WUC: 52AAC		WUC: 52AAF		WUC: 52ACD		WUC:		WUC:		WUC:		subsys residual			
		R	182	96			74	15.577	79	19.059	76	17.260							49	15.744	67.620	0.7258
		N	41	23			2	0.421	7	1.687	6	1.446							49	15.744	19.298	0.2071
		H	1	18			0	0	1	0.241	0	0.227							18	5.783	6.251	0.0671
		TOTALS	224	137			76		87		82								116		93.169	1.0000
		OCCURRENCE WEIGHTS		361				0.2105		0.2410		0.2271								0.3213		
	OFF EQUIPMENT	N	154	89			77	23.747	53	11.061	70	18.319							43	9.512	62.639	0.7620
		K	34	36			22	6.785	11	2.296	13	3.402							24	5.309	17.792	0.2164
		W	4	4			0	0	3	0.626	1	0.262							4	0.885	1.773	0.0216
		TOTALS	192	129			99		67		84								71		52.204	1.0000
		OCCURRENCE WEIGHTS		321				0.3084		0.2087		0.2617								0.2212		
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		5211	5212	5214		WUC: 52111		WUC: 52113		WUC: 52121		WUC: 52122		WUC: 52123		WUC: 52141		subsys residual			
		R	68	32	44		47	11.994	33	5.673	15	1.250	3	0.062	13	1.015	36	6.750	0	0	26.744	0.7547
		N	4	17	1		2	0.510	0	0	1	0.083	1	0.021	1	0.078	0	0	17	3.453	4.145	0.1170
		H	21	2	0		0	0	0	0	0	0	0	0	1	0.078	0	0	22	4.468	4.546	0.1283
		TOTALS	93	51	45		49		33		16		4		15		36		39		35.435	1.0000
		OCCURRENCE WEIGHTS			189			0.2552		0.1719		0.0833		0.0208		0.0781		0.1875		0.2031		
	OFF EQUIPMENT	N	56	42	38		7	1.248	18	2.443	18	2.511	6	0.465	16	1.798	31	4.207	40	8.836	21.508	0.5360
		K	32	45	8		19	3.388	11	1.493	17	2.372	14	1.085	13	1.461	4	0.543	7	1.546	11.888	0.2963
		W	28	1	8		20	3.566	6	0.814	1	0.140	0	0	0	0	0	0	10	2.209	6.729	0.1677
		TOTALS	116	88	54		46		35		36		20		29		35		57		40.125	1.0000
		OCCURRENCE WEIGHTS			258			0.1783		0.1357		0.1395		0.0715		0.1124		0.1357		0.2209		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-5 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: T-38A/RANDOLPH		5211	5212	WUC: 52111		WUC: 52117		WUC: 52118		WUC: 52121		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	74	0	29	6.305	9	1.239	0	0	0	0							36	20.347	27.891	0.5169
	M (fix)	27	26	1	0.217	8	1.102	1	0.007	10	0.725							33	18.652	20.703	0.3837
	H(check ok)	11	0	0	0	2	0.275	0	0	0	0							9	5.087	5.362	0.0994
	TOTALS	112	26	30		19		1		10								78		53.956	1.0000
	OCCURRENCE WEIGHTS		138		0.2174		0.1877		0.0072		0.0725								0.5652		
OFF EQUIPMENT	N(sent on)	69	20	32	6.726	2	0.670	12	0.887	0	0							43	15.635	23.918	0.4614
	K(check ok)	43	0	1	0.210	40	13.408	0	0	0	0							2	0.727	14.345	0.2767
	W (fix)	41	3	4	0.841	17	5.698	1	0.074	3	0.051							19	6.908	15.572	0.2618
	TOTALS	153	23	37		59		13		3								64		51.835	0.9999
	OCCURRENCE WEIGHTS		176		0.2102		0.3352		0.0739		0.0170								0.3636		
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: A-10A/MYRTLE BEACH		52A	62A	WUC: 52AA		WUC: 62AC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	2	1	1	0.200	0												2	1.600	1.800	0.5294
	M	0	2	0	0	0												2	1.600	1.600	0.4706
	H	0	0	0	0	0												0	0	0	0
	TOTALS	2	3	1		0												4		3.400	1.000
	OCCURRENCE WEIGHTS		5		0.2000														0.8000		
OFF EQUIPMENT	N	0	1	0	0	0												1	0.750	0.750	0.3000
	K	0	0	0	0	0												0	0	0	0
	W	1	2	1	0.250	0												2	1.50	1.750	0.7000
	TOTALS	1	3	1		0												3		2.500	1.0000
	OCCURRENCE WEIGHTS		4		0.2500														0.7500		
SUBSYSTEM NETWORK: 52A00 AUTOPILOT AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		52A	62A	WUC: 52AA		WUC: 62AC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	25	23	21	6.080	1	0.013											26	18.132	24.225	0.5589
	M	5	7	1	0.290	0	0											11	7.671	7.961	0.1837
	H	6	10	0	0	0	0											16	11.158	11.158	0.2574
	TOTALS	36	40	22		1												53		43.344	1.0000
	OCCURRENCE WEIGHTS		76		0.2895		0.0132												0.6974		
OFF EQUIPMENT	N	5	2	5	3.231	0												2	0.708	3.939	0.1117
	K	13	5	13	8.401	0												5	1.769	10.170	0.2883
	W	27	13	24	15.509	0												16	5.661	21.170	0.6001
	TOTALS	45	20	42		0												23		35.279	1.0001
	OCCURRENCE WEIGHTS		65		0.6462														0.3538		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-6 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: F-15A/LUKE			63A		WUC: 63AA		WUC: 63AG		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R (remove)	109		85	36.431	17	1.642											7	3.324	41.397	0.4157
		M (fix)	62		12	5.143	6	0.580											44	20.891	26.614	0.2672
		H(check ok)	67		5	2.143	0	0											62	29.438	31.581	0.3171
		TOTALS	238		102		23												113		99.592	1.0000
		OCCURRENCE WEIGHTS				0.4286		0.0966												0.4748		
	OFF EQUIPMENT	N(sent on)	47		32	23.798	13	3.201											2	0.020	27.019	0.2212
		K(check ok)	14		11	8.181	3	0.739											0	0	8.920	0.0730
		W (fix)	138		105	78.089	33	8.125											0	0	86.214	0.7058
		TOTALS	199		148		49												2		122.153	1.0000
		OCCURRENCE WEIGHTS				0.7437		0.2462												0.0101		
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: F-15A/BITBURG			63A		WUC: 63AA		WUC: 63AG		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	100		67	32.870	26	2.922											7	2.779	38.571	0.3515
		M	92		59	28.945	3	0.337											30	11.910	41.192	0.3754
		H	75		5	2.453	1	0.112											69	27.393	29.958	0.2730
		TOTALS	267		131		30												106		109.721	0.9999
		OCCURRENCE WEIGHTS				0.4906		0.1124												0.3970		
	OFF EQUIPMENT	N	28		23	14.414	4	0.903											1	0.148	15.465	0.1531
		K	75		35	21.934	20	4.516											20	2.950	29.400	0.2910
		W	114		78	48.883	25	5.645											11	1.622	56.150	0.5559
		TOTALS	217		136		49												32		101.05	1.0000
		OCCURRENCE WEIGHTS				0.6267		0.2258												0.1475		
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: B-52G/FAIRCHILD			63BA	63BB	WUC: 63BAA		WUC: 63BBA		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	74	8	69	48.900	8	0.882											5	0.906	50.688	0.7294
		M	24	6	14	9.922	6	0.661											10	1.811	12.394	0.1784
		H	14	1	7	4.961	0	0											8	1.449	6.410	0.0922
		TOTALS	112	15	90		14												23		69.492	1.0000
		OCCURRENCE WEIGHTS		127		0.7087		0.1102												0.1811		
	OFF EQUIPMENT	N	14	0	6	3.934	0	0											8	1.967	5.901	0.0967
		K	11	2	9	5.901	2	0.197											2	0.492	6.590	0.1080
		W	85	10	65	42.620	10	0.984											20	4.918	48.522	0.7953
		TOTALS	110	12	80		12												30		61.013	1.0000
		OCCURRENCE WEIGHTS		122		0.6557		0.0984												0.2459		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-6 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		63A		WUC: 63AA		WUC: 63AB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	182		112	42.392	32	7.216											38	15.162	64.770	0.4698
		M (fix)	196		28	10.598	55	12.402											113	45.087	68.087	0.4938
		M(check ok)	13		8	3.028	0	0											5	1.995	5.023	0.0364
		TOTALS	391		148		87												156		137.880	1.0000
		OCCURRENCE WEIGHTS				0.3785		0.2255												0.3990		
	OFF EQUIPMENT	N(sent on)	17		16	13.302	1	0.169											0		13.471	0.1088
		K(check ok	15		10	8.314	5	0.843											0		9.157	0.0740
		W (fix)	140		117	97.274	23	3.878											0		101.152	0.8172
		TOTALS	172		143		29												0		123.780	1.0000
		OCCURRENCE WEIGHTS				0.8314		0.1686												0		
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		63A		WUC: 63AB		WUC: 63AAE		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	374		340	252.994	24	2.827											10	1.380	257.201	0.4921
		M	480		314	233.647	81	9.542											85	11.730	254.919	0.4877
		M	37		9	6.697	0												28	3.864	10.561	0.0202
		TOTALS	891		663		105												123		522.681	1.0000
		OCCURRENCE WEIGHTS				0.7441		0.1178												0.1380		
	OFF EQUIPMENT	N	22		21	20.147	0	0											1	0.015	20.162	0.0368
		K	10		9	8.635	1	0.028											0	0	8.663	0.0158
		W	564		540	518.076	16	0.456											8	0.121	518.653	0.9473
		TOTALS	596		570		17												9		547.478	0.9999
		OCCURRENCE WEIGHTS				0.9594		0.0285												0.0151		
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		63A		WUC: 63AF		WUC: 63AH		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	266		229	168.544	16	0.931											21	4.322	173.797	0.6619
		M	107		74	54.464	8	0.466											25	5.145	60.075	0.2288
		M	74		26	19.136	2	0.116											46	9.467	28.719	0.1094
		TOTALS	447		329		26												92		262.591	1.0001
		OCCURRENCE WEIGHTS				0.7360		0.0582												0.2058		
	OFF EQUIPMENT	N	73		53	47.477	1	0.037											19	1.275	48.789	0.1397
		K	36		28	25.082	5	0.185											3	0.201	25.468	0.0729
		W	323		306	274.115	10	0.370											7	0.470	274.955	0.7874
		TOTALS	432		387		16												29		349.212	1.0000
		OCCURRENCE WEIGHTS				0.8958		0.0370												0.0671		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-6 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: T-38A/RANDOLPH		63A		WUC: 63AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	367		349	276.145													18	3.242	279.387	0.7179
ON EQUIPMENT	N (fix)	157		112	91.829													45	8.104	99.933	0.2479
ON EQUIPMENT	H(check ok)	48		8	6.559													40	7.204	13.763	0.0341
ON EQUIPMENT	TOTALS	572		469														103		403.083	0.9999
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.8199														0.1801		
OFF EQUIPMENT	N(sent on)	65		54	49.739													11	0.868	50.607	0.1263
OFF EQUIPMENT	K(check ok)	46		35	32.239													11	0.868	33.107	0.0826
OFF EQUIPMENT	W (fix)	358		343	315.937													15	1.184	317.121	0.7912
OFF EQUIPMENT	TOTALS	469		432														37		400.835	1.0001
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.9211														0.0789		
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: A-10A/MYRTLE BEACH		63A		WUC: 63AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	0		0														0		0	0
ON EQUIPMENT	N	0		0														0		0	0
ON EQUIPMENT	H	0		0														0		0	0
ON EQUIPMENT	TOTALS	0		0														0		0	0
ON EQUIPMENT	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	0		0														0		0	0
OFF EQUIPMENT	K	0		0														0		0	0
OFF EQUIPMENT	W	0		0														0		0	0
OFF EQUIPMENT	TOTALS	0		0														0		0	0
OFF EQUIPMENT	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 63A00 UHF COMMUNICATION SET AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		63A		WUC: 63AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	24		12	6.600													12	5.400	12.000	0.3960
ON EQUIPMENT	N	27		19	10.450													8	3.600	14.050	0.4637
ON EQUIPMENT	H	9		2	1.100													7	3.150	4.250	0.1403
ON EQUIPMENT	TOTALS	60		33														27		30.300	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.5500														0.4500		
OFF EQUIPMENT	N	10		5	3.250													5	1.750	5.000	0.4587
OFF EQUIPMENT	K	5		3	1.950													2	0.700	2.650	0.2431
OFF EQUIPMENT	W	5		5	3.250													0	0	3.250	0.2982
OFF EQUIPMENT	TOTALS	20		13														7		10.900	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.6500														0.3500		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-7 SHEET 1

Subsystem	Equipment	Task Code	Subsystem Task Totals WUC:	Subsystem Task Totals WUC:	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Weighted Task Totals	Weighted Average Task Prob
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: F-15A/LUKE			65A		WUC: 65AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	23		23	10.679													0	0	10.679	0.2424
		N (fix)	6		2	0.929													4	2.143	3.072	0.0697
		N(check ok)	27		1	0.464													26	29.845	30.309	0.6879
		TOTALS	56		26														30		44.060	1.0000
		OCCURRENCE WEIGHTS				0.4643														0.5357		
	OFF EQUIPMENT	N(sent on)	14		14	14.000													0	0	14.000	0.3256
		K(check ok)	2		2	2.000													0	0	2.000	0.0465
		N (fix)	27		27	27.000													0	0	27.000	0.6279
		TOTALS	43		43														0		43.000	1.0000
		OCCURRENCE WEIGHTS				1.0000														0		
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: F-15A/BITBURG			65A		WUC: 65AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	76		49	9.011													27	22.035	31.046	0.1149
		N	229		15	2.758													214	174.645	177.403	0.6567
		N	81		7	1.287													74	60.391	61.678	0.2283
		TOTALS	386		71														315		270.127	0.9999
		OCCURRENCE WEIGHTS				0.1839														0.8161		
	OFF EQUIPMENT	N	12		9	8.497													3	0.168	8.665	0.0677
		K	37		34	32.099													3	0.168	32.267	0.2523
		N	94		92	86.857													2	0.112	86.969	0.6800
		TOTALS	143		135														8		127.901	1.0000
		OCCURRENCE WEIGHTS				0.9441														0.0559		
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: B-52G/FAIRCHILD			65BA	65BB	WUC: 65BAA		WUC: 65BBB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	9	18	8	2.000	18	12.150											1	0.075	14.225	0.6790
		N	1	2	0	0	2	1.350											1	0.075	1.425	0.0680
		N	2	8	2	0.500	7	4.725											1	0.075	5.300	0.2530
		TOTALS	12	28	10		27												3		20.950	1.0000
		OCCURRENCE WEIGHTS		40		0.2500		0.6750												0.0750		
	OFF EQUIPMENT	N	1	2	0	0	1	0.471											2	0.353	0.824	0.0643
		K	6	7	6	2.117	7	3.294											0	0	5.411	0.4220
		N	10	8	6	2.117	8	3.765											4	0.706	6.588	0.5138
		TOTALS	17	17	12		16												6		12.823	1.0001
		OCCURRENCE WEIGHTS		34		0.3529		0.4706												0.1765		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-7 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		65A		WUC: 65AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R (remove)	164		85	36.006													79	45.536	81.542	0.6959
		M (fix)	45		9	3.812													36	20.750	24.562	0.2096
		H (check ok)	20		3	1.271													17	9.799	11.070	0.0945
		TOTALS	229		97														132		117.174	1.0000
		OCCURRENCE WEIGHTS				0.4236														0.5764		
	OFF EQUIPMENT	N (sent on)	12		5	3.334													7	2.333	5.667	0.0694
		K (check ok)	42		16	10.667													26	8.666	19.333	0.2367
		W (fix)	93		77	51.336													16	5.333	56.669	0.6939
		TOTALS	147		98														49		81.669	1.0000
		OCCURRENCE WEIGHTS				0.6667														0.3333		
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		65B		WUC: 65BB		WUC: 65BC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	79		49	17.749	4	0.238											26	15.038	33.025	0.3804
		M	81		16	5.795	7	0.417											58	33.547	39.759	0.4580
		H	25		2	0.724	0	0											23	13.303	14.027	0.1616
		TOTALS	185		67		11												107		86.811	1.0000
		OCCURRENCE WEIGHTS				0.3622		0.0596												0.5784		
	OFF EQUIPMENT	N	5		2	1.604	3	0.094											0	0	1.698	0.0263
		K	8		3	2.406	0	0											5	0.834	3.240	0.0502
		W	83		72	57.751	0	0											11	1.835	59.586	0.9235
		TOTALS	96		77		3												16		64.524	1.0000
		OCCURRENCE WEIGHTS				0.8021		0.0312												0.1667		
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		65BA	65BB	WUC: 65BAA		WUC: 65BBB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	9	9	8	2.400	9	6.000											1	0.033	8.433	0.5249
		M	1	3	1	0.300	3	2.000											0	0	2.300	0.1432
		H	0	8	0	0	8	5.334											0	0	5.334	0.3320
		TOTALS	10	20	9		20												1		16.067	1.0001
		OCCURRENCE WEIGHTS		30		0.3000		0.6667												0.0333		
	OFF EQUIPMENT	N	0	2	0	0	1	0.370											1	0.148	0.518	0.0491
		K	3	5	3	1.444	5	1.852											0	0	3.296	0.3123
		W	13	4	10	4.815	4	1.482											3	0.444	6.741	0.6387
		TOTALS	16	11	13		10												4		10.555	1.0001
		OCCURRENCE WEIGHTS		27		0.4815		0.3704												0.1481		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-7 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE: T-38A/RANDOLPH		65C		WUC: 65CA		WUC: 65CBB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	245		50	9.700	134	53.453											61	24.833	87.986	0.6632
	M (fix)	67		19	3.686	12	4.787											36	14.656	23.129	0.1743
	M(check ok)	54		2	0.388	0	0											52	21.169	21.557	0.1625
	TOTALS	366		71		146												149		132.672	1.0000
	OCCURRENCE WEIGHTS				0.1940		0.3989												0.4071		
OFF EQUIPMENT	N(sent on)	37		3	0.789	0	0											34	8.242	9.026	0.0916
	K(check ok	39		8	2.091	3	1.489											28	6.787	10.367	0.1052
	W (fix)	188		58	15.161	128	63.514											2	0.485	79.160	0.8032
	TOTALS	264		69		131												64		98.553	1.0000
	OCCURRENCE WEIGHTS				0.2614		0.4962												0.2424		
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE:A-10A/MYRTLE BEACH		65A		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	2																			1.0000
	M	0																			0
	M	0																			0
	TOTALS	2																			1.0000
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	0																			0
	K	1																			0.5000
	W	1																			0.5000
	TOTALS	1																			1.0000
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 65A00 IFF TRANSPONDER SET AIRCRAFT/BASE:A-10A/DAVIS-MONTHAN		65A		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	4																			0.5625
	M	3																			0.1875
	M	4																			0.2500
	TOTALS	16																			1.0000
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	3																			0.2500
	K	2																			0.1667
	W	7																			0.5833
	TOTALS	12																			1.0000
	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-8 SHEET 1

Subsystem network / Aircraft/base		Task code	Subsystem task totals WUC:	WUC:	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Weighted task totals	Weighted average task prob
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: F-15A/LUKE			71A		WUC: 71AE		WUC: 71AK		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	142		97	34.474	47	9.170											0	0	43.644	0.4150
		N (fix)	14		2	0.711	6	1.171											6	2.697	4.579	0.0435
		M(check ok)	129		3	1.066	3	0.585											123	55.288	56.939	0.5414
		TOTALS	285		102		56												129		105.162	0.9999
		OCCURRENCE WEIGHTS			211	0.3554		0.1951												0.4495		
	OFF EQUIPMENT	N(sent on)	125		80	44.040	27	9.544											18	1.728	55.312	0.7315
		K(check ok	13		7	3.854	6	2.121											0	0	5.975	.0790
		M (fix)	60		22	12.111	37	13.080											1	0.096	14.328	0.1895
		TOTALS	199		109		70												19		75.615	1.0000
		OCCURRENCE WEIGHTS				0.5505		0.3535												0.0960		
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: F-15A/BITBURG			71A		WUC: 71AE		WUC: 71AK		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	117		96	33.360	23	2.489											0	0	35.849	0.2742
		N	13		3	1.042	3	0.325											7	3.810	5.177	0.0396
		M	173		7	2.432	7	0.757											159	86.544	89.733	0.6862
		TOTALS	303		106		33												166		130.759	1.0000
		OCCURRENCE WEIGHTS				0.3475		0.1082												0.5443		
	OFF EQUIPMENT	N	75		25	14.525	15	2.932											35	7.822	25.279	0.3317
		K	54		46	26.726	5	0.978											3	0.670	28.374	0.3723
		M	50		33	19.173	15	2.932											2	0.447	22.552	0.2959
		TOTALS	179		104		35												40		76.205	0.9999
		OCCURRENCE WEIGHTS				0.5810		0.1955												0.2235		
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: B-52G/FAIRCHILD					WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R																				
		N																				
		M																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
		K																				
		M																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-8 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		73H		WUC: 73HA		WUC: 73HC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	512		333	126.607	217	50.843											0	0	177.450	0.5429
		M (fix)	79		15	5.703	1	0.234											63	24.287	30.224	0.0925
		N(check ok)	310		9	3.422	2	0.469											299	115.264	119.155	0.3646
		TOTALS	901		357		220												362		326.829	1.0000
		OCCURRENCE WEIGHTS			.379	0.3802		0.2343												0.3853		
	OFF EQUIPMENT	N(sent on)	218		61	29.286	9	2.614											148	33.966	65.866	0.2099
		K(check ok)	170		124	59.522	45	13.068											1	0.230	72.830	0.2321
		M (fix)	466		225	108.022	194	56.338											47	10.787	175.147	0.5581
		TOTALS	854		410		248												196		313.843	1.0001
		OCCURRENCE WEIGHTS				0.4801		0.2904												0.2295		
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		73B		WUC: 73BA		WUC: 73BB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	11		6	1.680	2	0.240											3	1.800	3.720	0.3286
		M	7		1	0.280	1	0.120											5	3.000	3.400	0.3004
		N	7		0	0	0	0											7	4.200	4.200	0.3710
		TOTALS	25		7		3												15		11.320	1.0000
		OCCURRENCE WEIGHTS				0.2800		0.1200											.	0.6000		
	OFF EQUIPMENT	N	1		1	0.250	0												0	0	0.250	0.1000
		K	0		0	0	0												0	0	0	0
		M	3		0	0	0												3	2.250	2.250	0.9000
		TOTALS	4		1		0												3		2.500	1.0000
		OCCURRENCE WEIGHTS				0.2500														0.7500		
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT				WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R																				
		M																				
		N																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
		K																				
		M																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-8 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		71AB		MUC: 71ABA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R (remove)	0		0																	0
		M (fix)	0		0																	0
		M(check ok)	0		0																	0
		TOTALS																				0
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	0		0																	0
		K(check ok	0		0																	0
		W (fix)	0		0																	0
		TOTALS																				0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R																				
		M																				
		M																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
		K																				
		W																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 71A00 INERTIAL NAVIGATION SET AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN	ON EQUIPMENT				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R																				
		M																				
		M																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
		K																				
		W																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-9 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: F-15A/LUKE			71C		WUC: 71CA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	12		10	5.172													2	0.966	6.138	0.9228
		M (fix)	2		2	1.034													0	0	1.034	0.0712
		H(check ok	15		3	1.552													12	5.794	7.346	0.5060
		TOTALS	29		15														14		14.518	1.0000
		OCCURRENCE WEIGHTS				0.5172														0.4828		
	OFF EQUIPMENT	N(sent on)	2		2	2.000													0	0	2.000	0.1250
		K(check ok	2		2	2.000													0	0	2.000	0.1250
		W (fix)	12		12	12.000													0	0	12.000	0.7500
		TOTALS	16		16														0		16.000	1.0000
		OCCURRENCE WEIGHTS				1.0000																
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: F-15A/BITBURG			71C		WUC: 71CA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	1		1	0.250													0	0	0.250	0.1000
		M	2		0	0													2	1.500	1.500	0.6000
		H	1		0	0													1	0.750	0.750	0.3000
		TOTALS	4		1														3		2.500	1.0000
		OCCURRENCE WEIGHTS				0.2500														0.7500		
	OFF EQUIPMENT	N	1		1	1.000													0	0	1.000	0.1667
		K	2		2	2.000													0	0	2.000	0.3333
		W	3		3	3.000													0	0	3.000	0.5000
		TOTALS	6		6														0		6.000	1.0000
		OCCURRENCE WEIGHTS				1.0000																
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: B-52G/FAIRCHILD			71AB	71AC	WUC: 71ABC		WUC: 71ACC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	13	0	13	11.375	0	0											0	0	11.375	0.9100
		M	0	2	0	0	0	0											2	0.250	0.250	0.0200
		H	1	0	1	0.875	0	0											0	0	0.875	0.0700
		TOTALS	14	2	14		0												2		12.500	1.0000
		OCCURRENCE WEIGHTS		16		0.8750		0												0.1250		
	OFF EQUIPMENT	N	1	0	1	0.917	0	0											0	0	0.917	0.0902
		K	1	0	1	0.917	0	0											0	0	0.917	0.0902
		W	10	0	9	8.250	0	0											1	0.083	8.333	0.8196
		TOTALS	12		11		0												1		10.167	1.0000
		OCCURRENCE WEIGHTS				0.9167		0												0.0833		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-9 SHEET 2

Subsystem	Equipment	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE:FB-111A/PLATTSBURGH			71C		WUC: 71CA		WUC: 71CB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	29		7	0.741	19	5.141											3	1.870	7.752	0.1927
	ON EQUIPMENT	M (fix)	9		1	0.106	2	0.541											6	3.741	4.388	0.1091
	ON EQUIPMENT	H(check ok)	47		1	0.106	2	0.541											44	27.434	28.081	0.6982
	ON EQUIPMENT	TOTALS	85		9		23												53		40.221	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.1059		0.2706												0.6235		
	OFF EQUIPMENT	N(sent on)	3		2	0.621	1	0.655											0	0	1.276	0.0835
	OFF EQUIPMENT	K(check ok	4		0	0	4	2.621											0	0	2.621	0.1716
	OFF EQUIPMENT	W (fix)	22		7	2.172	14	9.173											1	0.034	11.379	0.7449
	OFF EQUIPMENT	TOTALS	29		9		19												1		15.276	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.3103		0.6552												0.0345		
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: C-141A/TRAVIS			71EA		WUC: 71EAB		WUC: 71EAC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	47		19	5.145	26	9.750											2	0.708	15.603	0.4789
	ON EQUIPMENT	M	47		7	1.897	8	3.000											32	11.334	16.231	0.4981
	ON EQUIPMENT	H	2		0	0	2	0.750											0	0	0.750	0.0230
	ON EQUIPMENT	TOTALS	96		26		36												34		32.584	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.2708		0.3750												0.3542		
	OFF EQUIPMENT	N	0		0	0	0	0											0	0	0	0
	OFF EQUIPMENT	K	0		0	0	0	0											0	0	0	0
	OFF EQUIPMENT	W	43		21	10.256	21	10.256											1	0.023	20.535	1.0000
	OFF EQUIPMENT	TOTALS	43		21														1		20.535	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.4884		0.4884												0.0233		
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: KC-135A/FAIRCHILD			71AA	71BC	WUC: 71AAA		WUC: 71BCF		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	5	1	5	2.308	1	0.077											0	0	2.385	0.4247
	ON EQUIPMENT	M	6	1	1	0.462	0	0											6	2.769	3.231	0.5753
	ON EQUIPMENT	H	0	0	0	0	0	0											0	0	0	0
	ON EQUIPMENT	TOTALS	11	2	6		1												6		5.616	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS		13		0.4615		0.0769												0.4615		
	OFF EQUIPMENT	N	0	0	0	0	0	0											0	0	0	0
	OFF EQUIPMENT	K	3	0	3	2.667	0	0											0	0	2.667	0.3693
	OFF EQUIPMENT	W	5	1	5	4.444	1	0.111											0	0	4.555	0.6307
	OFF EQUIPMENT	TOTALS	8	1	8		1												0		7.222	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS		9		0.8889		0.1111												0		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

AD-A096 689 BOEING AEROSPACE CO SEATTLE WA PRODUCT SUPPORT/EXPER--ETC F/G 5/1
DEVELOPMENT OF MAINTENANCE METRICS TO FORECAST RESOURCE DEMANDS--ETC(U)
OCT 80 D K HINDES, G A WALKER, D H WILSON F33615-77-C-0075

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TABLE E-9 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		71B		WUC: 71BA		WUC: 71BB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	62		49	24.353	19	2.485											0	0	26.838	0.4173
		N (fix)	44		34	16.898	8	1.420											2	0.627	18.945	0.2945
		N(check ok)	62		1	0.497	8	1.420											53	16.621	18.946	0.2882
		TOTALS	168		84		30												55		64.321	1.0000
		OCCURRENCE WEIGHTS				0.4970		0.1775												0.3136		
	OFF EQUIPMENT	N(sent on)	1		1	0.716	0	0											0	0	0.716	0.0149
		K(check ok	1		1	0.716	0	0											0	0	0.716	0.0149
		W (fix)	79		56	40.096	23	6.532											0	0	46.628	0.9702
		TOTALS	81		58		23												0		48.060	1.0000
		OCCURRENCE WEIGHTS				0.7160		0.2890												0		
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT				WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R																				
		N																				
		H																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
		K																				
		W																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 71C00 INSTRUMENT LANDING SET AIRCRAFT/BASE A-10A/DAVIS-MONTHAN	ON EQUIPMENT				WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R																				
		N																				
		H																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
		K																				
		W																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-10 SHEET 1

SUBSYSTEM NETWORK / AIRCRAFT/BASE		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	SUBSYSTEM TASK TOTALS MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71D00 TACAN SET; AIRCRAFT/BASE: F-15A/LUKE			71D		MUC: 71DA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
	ON EQUIPMENT	R (remove)	37		34	15.606													3	1.623	17.229	0.2806
	ON EQUIPMENT	M (fix)	31		19	9.721													12	6.492	15.213	0.2477
	ON EQUIPMENT	H(check ok)	59		3	1.377													51	27.591	28.968	0.4717
	ON EQUIPMENT	TOTALS	122		56														66		61.910	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.4590														0.5410		
	OFF EQUIPMENT	N(sent on)	14		13	12.793													1	0.016	12.809	0.2099
	OFF EQUIPMENT	K(check ok	7		7	6.889													0	0	6.889	0.1129
	OFF EQUIPMENT	W (fix)	42		42	41.332													0	0	41.332	0.6772
	OFF EQUIPMENT	TOTALS	63		62														1		61.030	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.9841														0.0159		
SUBSYSTEM NETWORK: 71D00 TACAN SET; AIRCRAFT/BASE: F-15A/BITBURG			71D		MUC: 71DA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
	ON EQUIPMENT	R	48		44	23.157													4	1.895	25.052	0.5259
	ON EQUIPMENT	M	11		5	2.632													6	2.842	5.474	0.1149
	ON EQUIPMENT	H	36		1	0.526													35	16.580	17.106	0.3591
	ON EQUIPMENT	TOTALS	95		50														45		47.632	0.9999
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.5263														0.4737		
	OFF EQUIPMENT	N	10		10	9.767													0	0	9.767	0.1190
	OFF EQUIPMENT	K	29		29	28.324													0	0	28.324	0.3450
	OFF EQUIPMENT	W	47		45	43.952													2	0.047	43.999	0.5360
	OFF EQUIPMENT	TOTALS	86		84														2			1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.9767														0.0233		
SUBSYSTEM NETWORK: 71D00 TACAN SET; AIRCRAFT/BASE: B-52G/FAIRCHILD			71AD		MUC: 71ADA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
	ON EQUIPMENT	R	61		49	33.923													12	3.692	37.615	0.8402
	ON EQUIPMENT	M	9		2	1.385													7	2.154	3.539	0.0791
	ON EQUIPMENT	H	8		3	2.077													5	1.538	3.615	0.0807
	ON EQUIPMENT	TOTALS	78		54														24		44.769	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.6923														0.3077		
	OFF EQUIPMENT	N	5		0	0													5	1.701	1.701	0.0318
	OFF EQUIPMENT	K	27		19	12.536													8	2.722	15.258	0.2854
	OFF EQUIPMENT	W	65		45	29.691													20	6.804	36.495	0.6827
	OFF EQUIPMENT	TOTALS	97		64														33		53.454	0.9999
	OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.6598														0.3402		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-10 SHEET 2

AIRCRAFT/BASE / SUBSYSTEM NETWORK		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
AIRCRAFT/BASE: FB-111A/PLATTSBURGH; SUBSYSTEM NETWORK: 71000 TACAN SET	ON EQUIPMENT		71E		WUC: 71EA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	60		47	24.830													13	6.132	30.962	0.5823
		M (fix)	23		8	4.226													15	7.076	11.302	0.2126
		M(check ok)	23		1	0.528													22	10.377	10.905	0.2051
		TOTALS	106		56														50		53.169	1.0000
		OCCURRENCE WEIGHTS				0.5283														0.4717		
	OFF EQUIPMENT	M (sent on)	22		15	10.408													7	2.143	12.551	0.2227
		K (check ok	40		27	18.735													13	3.979	22.714	0.4030
		W (fix)	36		26	18.041													10	3.061	21.102	0.3744
		TOTALS	98																30		56.367	1.0001
		OCCURRENCE WEIGHTS				0.6939														0.3061		
AIRCRAFT/BASE: C-141A/TRAVIS; SUBSYSTEM NETWORK: 71000 TACAN SET	ON EQUIPMENT		71C		WUC: 71CB		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	353		279	160.425													74	31.450	191.875	0.5929
		M	215		80	46.000													135	57.375	103.375	0.3194
		H	65		5	2.875													60	25.500	28.375	0.0877
		TOTALS	633		364														269		323.625	1.0000
		OCCURRENCE WEIGHTS				0.5750														0.4250		
	OFF EQUIPMENT	N	41		11	8.639													30	6.438	15.077	0.0519
		K	8		7	5.498													1	0.215	5.713	0.0197
		W	389		326	256.040													63	13.520	269.560	0.9284
		TOTALS	438		344														94		290.350	1.0000
		OCCURRENCE WEIGHTS				0.7854														0.2146		
AIRCRAFT/BASE: KC-135A/FAIRCHILD; SUBSYSTEM NETWORK: 71000 TACAN SET	ON EQUIPMENT		71C		WUC: 71CA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	80		73	53.954													7	1.826	55.780	0.7895
		M	26		10	7.391													16	4.174	11.565	0.1637
		H	9		2	1.478													7	1.826	3.304	0.0468
		TOTALS	115		85														30		70.649	1.0000
		OCCURRENCE WEIGHTS				0.7391														0.2609		
	OFF EQUIPMENT	N	7		7	6.007													0	0	6.007	0.0563
		K	29		25	21.455													4	0.567	22.022	0.2064
		W	105		89	76.380													16	2.269	78.649	0.7373
		TOTALS	141		121														20		106.678	1.0000
		OCCURRENCE WEIGHTS				0.8582														0.1418		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-10 SHEET 3

Subsystem Network / Aircraft/Base		Task Code	Subsystem Task Totals WUC:	Subsystem Task Totals WUC:	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Actual Tasks	Weighted Tasks	Weighted Task Totals	Weighted Average Task Prob
SUBSYSTEM NETWORK: 71DOO TACAN SET; AIRCRAFT/BASE: T-38A/RANDOLPH			71C		WUC: 71CA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	65		69	52.460													1	0.180	52.660	0.7472
		M (fix)	16		16	13.120													0	0	13.120	0.1962
		N(check ok)	19		2	1.640													17	3.060	4.700	0.0667
		TOTALS	100		82														18		70.480	1.0001
		OCCURRENCE WEIGHTS				0.8200														0.1800		
	OFF EQUIPMENT	M(sent on)	3		3	2.963													0	0	2.963	0.0370
		K(check ok)	1		1	0.988													0	0	0.988	0.0123
		W (fix)	78		77	76.061													1	0.012	76.073	0.9506
		TOTALS	82		81														1		80.029	0.9999
		OCCURRENCE WEIGHTS				0.9878														0.0122		
SUBSYSTEM NETWORK: 71DOO TACAN SET; AIRCRAFT/BASE: A-10A/MYRTLE BEACH			71A		WUC: 71AF		WUC: 71AJ		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	0		0		0												0		0	0
		M	0		0		0												0		0	0
		N	0		0		0												0		0	0
		TOTALS	0		0		0												0		0	0
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	M	0		0		0												0		0	0
		K	0		0		0												0		0	0
		W	0		0		0												0		0	0
		TOTALS	0		0		0												0		0	0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 71DOO TACAN SET; AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN			71A		WUC: 71AF		WUC: 71AJ		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	12		2	0.286	4	1.428											6	3.000	4.719	0.8462
		M	1		0	0	1	0.357											0	0	0.357	0.0691
		N	1		0	0	0	0											1	0.500	0.500	0.0898
		TOTALS	14		2		5												7		5.571	1.0001
		OCCURRENCE WEIGHTS				0.1429		0.3571												0.5000		
	OFF EQUIPMENT	M	9		0	0	3	0.857											6	3.000	3.857	0.7297
		K	4		3	0.643	0	0											1	0.500	1.143	0.2162
		W	1		0	0	1	0.286											0	0	0.286	0.0541
		TOTALS	14		3		4												7		5.286	1.0000
		OCCURRENCE WEIGHTS				0.2143		0.2857												0.5000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-11 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		71F		MUC: 71FA		MUC: 71FB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R (remove)	62		23	5.637	26	6.582											13	6.373	18.892	0.4841
		M (fix)	3		0	0	1	0.265											2	0.980	1.245	0.0319
		N(check ok)	37		2	0.990	0	0											35	17.157	18.892	0.4841
		TOTALS	102		25		27												50		39.029	1.0001
		OCCURRENCE WEIGHTS				0.2451		0.2647												0.4902		
	OFF EQUIPMENT	N(sent on)	32		5	2.720	23	5.649											5	1.052	9.421	0.2064
		K(check ok	50		40	21.756	4	0.982											6	1.263	24.001	0.5258
		M (fix)	31		17	9.296	1	0.246											13	2.736	12.228	0.2679
		TOTALS	114		62		28												24		45.650	1.0001
		OCCURRENCE WEIGHTS				0.5439		0.2456												0.2105		
SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		71F		MUC: 71FA		MUC: 71FB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	47		18	4.784	19	4.811											10	4.810	14.405	0.4980
		M	3		0	0	1	0.253											2	0.962	1.215	0.0420
		N	29		3	0.797	0	0											26	12.506	13.303	0.4599
		TOTALS	79		21		20												38		28.923	0.9999
		OCCURRENCE WEIGHTS				0.2658		0.2532												0.4810		
	OFF EQUIPMENT	N	26		2	0.800	21	6.785											3	0.831	8.416	0.3796
		K	13		8	3.200	0	0											5	1.384	4.584	0.2068
		M	26		16	6.400	0	0											10	2.769	9.169	0.4136
		TOTALS	65		26		21												18		22.169	1.0000
		OCCURRENCE WEIGHTS				0.4000		0.3231												0.2769		
SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		51AN		MUC: 51AND		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	93		35	11.851													58	38.361	50.212	0.7161
		M	30		7	2.370													23	15.212	17.582	0.2508
		N	4		1	0.339													3	1.984	2.323	0.0331
		TOTALS	127		43														84		70.117	1.0000
		OCCURRENCE WEIGHTS				0.3386														0.6614		
	OFF EQUIPMENT	N	91		35	13.696													56	34.087	47.783	0.9919
		K	0		0	0													0	0	0	0
		M	1		1	0.391													0	0	0.391	0.0081
		TOTALS	92		36														56		48.174	1.0000
		OCCURRENCE WEIGHTS				0.3913														0.6087		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-11 SHEET 2

SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET — AIRCRAFT/BASE: FB-111A/PLATTSBURGH

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		51C		MUC: 51CAC		MUC: 51CC		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R (remove)	211		100	36.910	77	22.191											34	11.689	70.690	0.7290
	M (fix)	19		0	0	2	0.576											17	5.845	6.421	0.0662
	H(check ok)	58		6	2.209	4	1.153											48	16.502	19.864	0.2048
	TOTALS	288		106		83												99		96.975	1.0000
	OCCURRENCE WEIGHTS				0.3681		0.2882												0.3938		
OFF EQUIPMENT	N(sent on)	79		55	24.932	21	10.172											3	0.187	35.291	0.3532
	K(check ok)	65		24	10.879	34	16.470											7	0.435	27.784	0.2781
	W (fix)	81		23	10.426	54	26.158											4	0.249	36.833	0.3687
	TOTALS	225		102		109												14		99.908	1.0000
	OCCURRENCE WEIGHTS				0.4533		0.4844												0.0622		

SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET — AIRCRAFT/BASE: C-141A/TRAVIS

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		52F		MUC: 52FA		MUC: 52FB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R	3		0		2	0.750											1	0.625	1.375	0.3235
	M	3		0		1	0.375											2	1.250	1.625	0.3824
	H	2		0		0	0											2	1.250	1.250	0.2941
	TOTALS	8		0		3												5		4.250	1.0000
	OCCURRENCE WEIGHTS						0.3750												0.6250		
OFF EQUIPMENT	N	1		1	1.000	0												0		1.000	1.0000
	K	0		0	0	0												0		0	0
	W	0		0	0	0												0		0	0
	TOTALS	1		1		0												0		1.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																

SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET — AIRCRAFT/BASE: KC-135A/FAIRCHILD

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		5114		MUC: 51142		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R	39		32	27.261													7	1.037	28.298	0.7009
	M	15		14	11.927													1	0.148	12.075	0.2991
	H	0		0	0													0	0	0	0
	TOTALS	54		46														8		40.373	1.0000
	OCCURRENCE WEIGHTS				0.8519														0.1481		
OFF EQUIPMENT	N	38		30	23.695													8	1.684	25.369	1.0000
	K	0		0	0													0	0	0	0
	W	0		0	0													0	0	0	0
	TOTALS	38		30														8		25.369	1.0000
	OCCURRENCE WEIGHTS				0.7895														0.2105		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-11 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		5121		WUC: 51214		WUC: 51218		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	588		55	6.226	297	128.957									236	106.814	241.997	0.8426
		M (fix)	106		25	2.830	8	3.474									73	33.040	39.344	0.1370
		H(check ok)	13		0	0	2	0.868									11	4.979	5.847	0.0204
		TOTALS	707		80		307										320		287.188	1.0000
		OCCURRENCE WEIGHTS				0.1132		0.4342										0.4526		
	OFF EQUIPMENT	N(sent on)	462		0	0	193	83.646									269	128.286	211.932	0.7022
		K(check ok)	202		34	3.053	110	47.674									58	27.630	78.357	0.2597
		W (fix)	49		30	2.694	6	2.600									13	6.200	11.494	0.0381
		TOTALS	713		64		309										340		301.813	1.0000
		OCCURRENCE WEIGHTS				0.0898		0.4334										0.4764		
SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT		51F		WUC: 51FA		WUC: 51FC		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	0		0		0										0			0
		M	0		0		0										0			0
		H	0		0		0										0			0
		TOTALS	0		0		0										0			0
		OCCURRENCE WEIGHTS																		
	OFF EQUIPMENT	N	0		0		0										0			0
		K	0		0		0										0			0
		W	0		0		0										0			0
		TOTALS	0		0		0										0			0
		OCCURRENCE WEIGHTS																		
SUBSYSTEM NETWORK: 71F00 ATTITUDE-HEADING REF SET AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN	ON EQUIPMENT		51F		WUC: 51FA		WUC: 51FC		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	31		18	7.772	18	7.364									0	0	15.136	0.9073
		M	3		1	0.432	0	0									2	0.318	0.750	0.0450
		H	5		0	0	0	0									5	0.796	0.796	0.0477
		TOTALS	39		19		18										7		16.682	1.0000
		OCCURRENCE WEIGHTS			44	0.4318		0.4091										0.1541		
	OFF EQUIPMENT	N	23		9	3.272	9	4.363									5	0.758	8.393	0.6517
		K	8		3	1.091	5	2.424									0	0	3.515	0.2729
		W	2		0	0	2	0.970									0	0	0.970	0.0753
		TOTALS	33		12		16										5		12.878	0.9999
		OCCURRENCE WEIGHTS				0.3636		0.4848										0.1515		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-12 SHEET 1

Subsystem network / Aircraft/base	Equipment	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 74F00 RADAR SET; AIRCRAFT/BASE: F-15A/LUKE			74F		MUC: 74FA		MUC: 74FC		MUC: 74FH		MUC: 74FQ		MUC: 74FR		MUC: 74FS		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	447		80	8.832	54	3.818	52	3.546	90	11.052	0	0	81	8.440			90	47.124	82.812	0.3172
		M (fix)	68		9	0.994	3	0.212	3	0.205	8	0.982	0	0	3	0.313			42	21.991	24.697	0.0952
		H(check ok)	291		0	0	0	0	0	0	1	0.123	0	0	0	0			290	151.899	151.967	0.5857
		TOTALS	806		89		57		55		99		0		84				422			1.0001
		OCCURRENCE WEIGHTS				0.1104		0.0707		0.0682		0.1228		0		0.1042				0.5236		
	OFF EQUIPMENT	N(sent on)	392		51	10.766	36	3.132	22	2.757	33	6.125	1	0.002	70	8.610			129	34.275	65.667	0.4052
		K(check ok)	100		21	4.433	1	0.087	25	3.132	38	7.053	0	0	6	0.738			9	2.391	17.834	0.1100
		W (fix)	420		110	23.221	38	3.306	61	7.643	89	16.518	1	0.002	30	3.690			91	24.179	78.559	0.4848
		TOTALS	862		182		75		108		160		2		106				229		162.060	1.0000
		OCCURRENCE WEIGHTS				0.2111		0.0870		0.1253		0.1856		0.0023		0.1230				0.2657		
SUBSYSTEM NETWORK: 74F00 RADAR SET; AIRCRAFT/BASE: F-15A/BITBURG			74F		MUC: 74FA		MUC: 74FC		MUC: 74FH		MUC: 74FQ		MUC: 74FR		MUC: 74FS		MUC:		subsys residual			
	ON EQUIPMENT	R	424		63	4.826	60	4.139	61	4.270	97	10.718	0	0	55	3.492			88	53.724	81.164	0.2195
		M	60		5	0.383	1	0.069	3	0.210	2	0.221	0	0	1	0.064			48	29.304	30.251	0.0818
		H	430		2	0.153	2	0.138	0	0	2	0.221	0	0	2	0.127			422	257.631	258.270	0.6986
		TOTALS	914		70		63		64		101		0		58				558		369.685	0.9999
		OCCURRENCE WEIGHTS				0.0766		0.0699		0.0700		0.1106		0		0.0636				0.6105		
	OFF EQUIPMENT	N	253		15	1.906	17	1.944	38	5.377	30	5.115	4	0.016	32	3.137			117	40.973	58.370	0.2881
		K	257		27	3.432	38	4.123	37	5.236	60	10.230	0	0	24	2.359			71	29.864	50.239	0.2480
		W	458		91	10.295	50	5.425	62	8.773	75	12.788	0	0	39	3.826			151	52.883	93.987	0.4639
		TOTALS	968		123		105		137		165		4		95				339		202.597	1.0000
		OCCURRENCE WEIGHTS				0.1271		0.1085		0.1415		0.1705		0.0041		0.0981				0.3502		
SUBSYSTEM NETWORK: 74F00 RADAR SET; AIRCRAFT/BASE: B-52G/FAIRCHILD			73CF	73CG	MUC: 73CFK		MUC: 73CGA		MUC: 73CGP		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	127	111	88	22.308	23	1.674	81	18.257									46	20.626	62.465	0.4592
		M	55	47	17	4.310	8	0.582	6	1.362									71	31.836	38.060	0.2781
		H	76	10	3	0.760	0	0	9	2.029									74	33.192	35.971	0.2627
		TOTALS	258	168	108		31		96										191		136.916	1.0000
		OCCURRENCE WEIGHTS		426		0.2535		0.0728		0.2254										0.4484		
	OFF EQUIPMENT	N	90	86	1	0.234	0	0	1	0.279									179	73.095	73.558	0.4649
		K	11	37	9	2.103	2	0.135	34	9.493									3	1.259	12.990	0.0821
		W	120	161	108	25.240	32	2.154	106	29.595									35	14.693	71.682	0.4530
		TOTALS	221	209	118		34		191										212		158.230	1.0000
		OCCURRENCE WEIGHTS		505		0.2337		0.0673		0.2792										0.4198		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-12 SHEET 2

AIRCRAFT/BASE: FB-111A/PLATTSBURGH — SUBSYSTEM NETWORK: 74F00 RADAR SET

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	SUBSYSTEM TASK TOTALS MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		73J		MUC: 73JC		MUC: 73JE		MUC: 73JH		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R (remove)	480		150	24.030	186	45.775	72	5.695									72	37.051	112.551	0.3076
ON EQUIPMENT	N (fix)	157		14	2.243	59	14.520	9	0.633									76	39.110	56.506	0.1594
ON EQUIPMENT	H(check ok)	387		0	0	7	1.723	1	0.079									379	195.033	196.835	0.5380
ON EQUIPMENT	TOTALS	1024		164		252		81										527		365.892	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.1602		0.2961		0.0791										0.5146		
OFF EQUIPMENT	N(sent on)	214		72	26.129	49	12.657	16	2.146									77	18.850	59.782	0.2661
OFF EQUIPMENT	K(check ok)	112		22	7.984	35	9.040	24	3.218									31	7.589	27.831	0.1239
OFF EQUIPMENT	W (fix)	487		201	72.943	126	32.596	69	9.253									91	22.277	137.019	0.6100
OFF EQUIPMENT	TOTALS	813		295		210		109										199		224.632	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.3629		0.2583		0.1341										0.2448		

AIRCRAFT/BASE: C-141A/TRAVIS — SUBSYSTEM NETWORK: 74F00 RADAR SET

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	SUBSYSTEM TASK TOTALS MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		72A		MUC: 72AD		MUC: 72AK		MUC: 72AL		MUC: 72AM		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	430		169	97.996	52	5.704	75	10.335	49	5.096							85	30.991	103.122	0.3674
ON EQUIPMENT	M	534		134	38.056	65	7.130	69	9.508	62	6.448							204	74.378	135.520	0.4973
ON EQUIPMENT	H	103		0	0	0	0	3	0.413	0	0							100	36.460	36.873	0.1353
ON EQUIPMENT	TOTALS	1067		303		117		147		111								389		272.515	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.2840		0.1097		0.1378		0.1040								0.3646		
OFF EQUIPMENT	N	42		22	8.793	1	0.088	9	0.836	1	0.085							9	3.015	12.817	0.0719
OFF EQUIPMENT	K	41		4	1.599	8	0.703	2	0.186	3	0.254							24	8.040	10.782	0.0605
OFF EQUIPMENT	W	520		215	85.936	44	3.868	45	4.180	47	3.976							169	56.615	154.575	0.8676
OFF EQUIPMENT	TOTALS	603		241		53		56		51								202		178.174	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.3997		0.0879		0.0929		0.0846								0.3350		

AIRCRAFT/BASE: KC-135A/FAIRCHILD — SUBSYSTEM NETWORK: 74F00 RADAR SET

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	SUBSYSTEM TASK TOTALS MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		72BD	72BF	MUC: 72BDA		MUC: 72BFA		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	113	66	113	63.099	65	27.294											1	0.022	90.415	0.8010
ON EQUIPMENT	M	12	39	12	6.701	30	12.597											4	0.086	19.384	0.1717
ON EQUIPMENT	H	4	2	4	2.234	2	0.840											0	0	3.074	0.0272
ON EQUIPMENT	TOTALS	129	102	129		97												5		112.873	0.9999
ON EQUIPMENT	OCCURRENCE WEIGHTS		231		0.5584		0.4199												0.0216		
OFF EQUIPMENT	N	11	1	7	3.461	1	0.330											4	0.704	4.495	0.0438
OFF EQUIPMENT	K	29	17	21	10.382	15	4.944											10	1.760	17.086	0.1666
OFF EQUIPMENT	W	122	87	104	51.418	72	23.731											33	5.808	80.957	0.7895
OFF EQUIPMENT	TOTALS	162	105	132		98												47		102.538	0.9999
OFF EQUIPMENT	OCCURRENCE WEIGHTS		267		0.4944		0.3296												0.1760		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL / SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-12 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 74F00 RADAR SET AIRCRAFT/BASE: T-38A/RANDOLPH					MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)																				
		M (fix)																				
		H(check ok)																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)																				
		K(check ok)																				
		W (fix)																				
		TOTALS																				
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 74F00 RADAR SET AIRCRAFT/BASE: A-10A/MYRTLE BEACH			72A		MUC: 72AA		MUC: 72AB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	0		0		0												0		0	0
		M	0		0		0												0		0	0
		H	0		0		0												0		0	0
		TOTALS	0		0		0												0		0	0
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0		0		0												0		0	0
		K	0		0		0												0		0	0
		W	0		0		0												0		0	0
		TOTALS	0		0		0												0		0	0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 74F00 RADAR SET AIRCRAFT/BASE: A-10A/DAVIS-MONTHA			72A		MUC: 72AA		MUC: 72AB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	14		14	14,000	0	0											0	0	14,000	1.0000
		M	0		0	0	0	0											0	0	0	0
		H	0		0	0	0	0											0	0	0	0
		TOTALS	14		14		0												0		14.000	1.0000
		OCCURRENCE WEIGHTS				1.0000		0														
	OFF EQUIPMENT	N	0		0	0	0	0											0	0	0	0
		K	0		0	0	0	0											0	0	0	0
		W	11		11	11.000	0	0											0	0	11,000	1.0000
		TOTALS	11		11		0												0	0	11.000	1.0000
		OCCURRENCE WEIGHTS				1.0000		0												0		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-13 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 11A01 RADOME ASSY AIRCRAFT/BASE: F-15A/LUKE			11A		MUC: 11AB		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	31		1	0.110													30	26.704	26.819	0.1045
		M (fix)	283		33	3.620													250	222.575	226.195	0.8812
		M(check ok)	5		1	0.110													4	3.561	3.671	0.0143
		TOTALS	319		35														284		256.685	1.0000
		OCCURRENCE WEIGHTS				0.1097														0.8903		
	OFF EQUIPMENT	C(sent on)	6		0	0													6	5.625	5.625	0.3982
		K(check ok)	0		0	0													0	0	0	0
		M (fix)	10		1	0.062													9	8.438	8.500	0.6018
		TOTALS	16		1														15		14.125	1.0000
		OCCURRENCE WEIGHTS				0.0625														0.9375		
SUBSYSTEM NETWORK: 11A01 RADOME ASSY AIRCRAFT/BASE: F-15A/BITBURG			11A		MUC: 11AB		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	6		1	0.155													5	4.226	4.381	0.0248
		M	224		34	5.263													190	160.588	165.851	0.9399
		M	9		2	0.310													7	5.916	6.226	0.0353
		TOTALS	239		37														202		176.458	1.0000
		OCCURRENCE WEIGHTS				0.1548														0.8452		
	OFF EQUIPMENT	M	1		1	0.500													0	0	0.500	0.0714
		K	0		0	0													0	0	0	0
		M	13		6	3.000													7	3.500	6.500	0.4286
		TOTALS	14		7														7		7.000	1.0000
		OCCURRENCE WEIGHTS				0.5000														0.5000		
SUBSYSTEM NETWORK: 11A01 RADOME ASSY AIRCRAFT/BASE: B-52G/FAIRCHILD			11DC		MUC: 11DCJ		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	15		1	0.080													14	12.880	12.960	0.1520
		M	80		7	0.560													73	67.160	67.720	0.7941
		M	5		0	0													5	4.600	4.600	0.0539
		TOTALS	100		8														92		85.280	1.0000
		OCCURRENCE WEIGHTS				0.0800														0.9200		
	OFF EQUIPMENT	M	0		0														0	0	0	0
		K	0		0														0	0	0	0
		M	6		0														6	6.000	6.000	1.0000
		TOTALS	6		0														6		6.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-13 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 11A01 RADOME ASSY AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		11AA		WUC: 11AAA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	34		3	1.218													31	18.417	19.635	0.2231
		M (fix)	136		66	26.789													70	41.587	68.376	0.7769
		H(check ok)	0		0	0													0	0	0	0
		TOTALS	170		69														101		88.011	1.0000
		OCCURRENCE WEIGHTS				0.4059														0.5941		
	OFF EQUIPMENT	N(sent on)	0		0	0													0	0	0	0
		K(check ok	0		0	0													0	0	0	0
		W (fix)	12		1	0.083													11	10.084	10.167	1.0000
		TOTALS	12		1														11		10.167	1.0000
		OCCURRENCE WEIGHTS				0.0833														0.9167		
SUBSYSTEM NETWORK: 11A01 RADOME ASSY AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		11FA		WUC: 11FAP		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	116		70	24.500													46	29.900	54.400	0.2495
		M	281		69	24.150													212	137.800	161.950	0.7429
		H	3		1	0.350													2	1.300	1.650	0.0076
		TOTALS	400		140														260		218.000	1.0000
		OCCURRENCE WEIGHTS				0.3500														0.6500		
	OFF EQUIPMENT	N	0		0	0													0	0	0	0
		K	0		0	0													0	0	0	0
		W	16		8	4.000													8	4.000	8.000	1.0000
		TOTALS	16		8														8		8.000	1.0000
		OCCURRENCE WEIGHTS				0.5000														0.5000		
SUBSYSTEM NETWORK: 11A01 RADOME ASSY AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		1111		WUC: 1111J		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	3		0	0													3	2.692	2.692	0.0846
		M	36		4	0.410													32	28.717	29.127	0.9154
		H	0		0	0													0	0	0	0
		TOTALS	39		4														35		31.819	1.0000
		OCCURRENCE WEIGHTS				0.1026														0.8974		
	OFF EQUIPMENT	N	0		0														0	0	0	0
		K	0		0														0	0	0	0
		W	5		0														5	5.000	5.000	1.0000
		TOTALS	5		0														5		5.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-13 SHEET 3

AIRCRAFT/BASE / SUBSYSTEM NETWORK	EQUIPMENT	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
AIRCRAFT/BASE: T-38A/RANDOLPH; SUBSYSTEM NETWORK: 11A01 RADOME ASSY			1151		WUC: 11515		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R (remove)	56		10	0.538													46	43.525	44.063	0.1887
	ON EQUIPMENT	N (fix)	203		4	0.215													199	188.294	188.501	0.8073
	ON EQUIPMENT	N(check ok)	1		0	0													1	0.446	0.446	0.0041
	ON EQUIPMENT	TOTALS	260		14														246		233.518	1.0001
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.0538														0.9462		
	OFF EQUIPMENT	N(sent on)	1		0	0													1	0.212	0.212	0.0032
	OFF EQUIPMENT	K(check ok)	0		0	0													0	0	0	0
	OFF EQUIPMENT	W (fix)	98		78	61.456													20	4.242	65.697	0.9968
	OFF EQUIPMENT	TOTALS	99		78														21		65.910	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.7879														0.2121		
AIRCRAFT/BASE: A-10A/MYRTLE BEACH; SUBSYSTEM NETWORK: 11A01 RADOME ASSY					WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R																				
	ON EQUIPMENT	N																				
	ON EQUIPMENT	N																				
	ON EQUIPMENT	TOTALS																				
	ON EQUIPMENT	OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
	OFF EQUIPMENT	K																				
	OFF EQUIPMENT	W																				
	OFF EQUIPMENT	TOTALS																				
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN; SUBSYSTEM NETWORK: 11A01 RADOME ASSY					WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R																				
	ON EQUIPMENT	N																				
	ON EQUIPMENT	N																				
	ON EQUIPMENT	TOTALS																				
	ON EQUIPMENT	OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N																				
	OFF EQUIPMENT	K																				
	OFF EQUIPMENT	W																				
	OFF EQUIPMENT	TOTALS																				
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-14 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 11A02 WINDSHIELD AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		11A		WUC: 11AF		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R (remove)	31		20	1.692													11	10.069	11.761	0.0436
		N (fix)	283		7	0.592													276	252.650	253.242	0.9394
		H(check ok)	5		0	0													5	4.577	4.577	0.0170
		TOTALS	319		27														292		269.580	1.0000
		OCCURRENCE WEIGHTS				0.0846														0.9154		
	OFF EQUIPMENT	N(sent on)	6		4	1.500													2	1.250	2.750	0.3235
		K(check ok)	0		0	0													0	0	0	0
		W (fix)	10		2	0.750													8	5.000	5.750	0.6765
		TOTALS	16		6														10		8.500	1.0000
		OCCURRENCE WEIGHTS				0.3750														0.6250		
SUBSYSTEM NETWORK: 11A02 WINDSHIELD AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		11A		WUC: 11AF		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	6		1	0.021													5	4.896	4.917	0.0215
		N	224		1	0.021													223	218.339	218.360	0.9526
		H	9		3	0.063													6	5.875	5.938	0.0259
		TOTALS	239		5														234		229.215	1.0000
		OCCURRENCE WEIGHTS				0.0209														0.9791		
	OFF EQUIPMENT	N	1		0	0													1	0.929	0.929	0.0765
		K	0		0	0													0	0	0	0
		W	13		1	0.071													12	11.143	11.214	0.9235
		TOTALS	14		1														13		12.143	1.0000
		OCCURRENCE WEIGHTS				0.0714														0.9286		
SUBSYSTEM NETWORK: 11A02 WINDSHIELD AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		11DC		WUC: 11DC6		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	15		1	0.050													14	13.300	13.350	0.1475
		N	80		3	0.150													77	73.150	73.300	0.8099
		H	5		1	0.050													4	3.800	3.850	0.0425
		TOTALS	100		5														95		90.500	0.9999
		OCCURRENCE WEIGHTS				0.0500														0.9500		
	OFF EQUIPMENT	N	0		0														0		0	0
		K	0		0														0		0	0
		W	6		0														6		6	1.0000
		TOTALS	6		0														6		6	1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-14 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 11A02 WINDSHIELD AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		16A		WUC: 16AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	144		10	1.356													134	115.830	117.186	0.1610
		M (fix)	724		63	8.543													661	571.368	579.911	0.7965
		M(check ok)	83		56	7.594													27	23.339	30.933	0.0425
		TOTALS	951		129														822		728.030	1.0000
		OCCURRENCE WEIGHTS				0.1356														0.8644		
	OFF EQUIPMENT	N(sent on)	24		0														24		24	0.3692
		K(check ok)	0		0														0		0	0
		W (fix)	41		0														41		41	0.6308
		TOTALS	65		0														65		65	
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 11A02 WINDSHIELD AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		11A		WUC: 11AA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	52		46	34.721													6	1.471	36.192	0.1854
		M	231		161	121.523													70	17.164	138.687	0.7103
		M	27		27	20.380													0	0	20.380	0.1044
		TOTALS	310		234														76		195.259	1.0001
		OCCURRENCE WEIGHTS				0.7548														0.2452		
	OFF EQUIPMENT	N	0		0	0													0	0	0	0
		K	0		0	0													0	0	0	0
		W	5		2	0.800													3	1.800	2.600	1.0000
		TOTALS	5		2														3		2.600	1.0000
		OCCURRENCE WEIGHTS				0.4000														0.6000		
SUBSYSTEM NETWORK: 11A02 WINDSHIELD AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		1114		WUC: 1114H		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	31		5	1.596													26	17.701	19.297	0.1602
		M	160		57	16.194													103	70.122	86.316	0.7334
		M	22		6	1.915													16	10.893	12.808	0.1064
		TOTALS	213		68														145		120.421	1.0000
		OCCURRENCE WEIGHTS				0.3192														0.6808		
	OFF EQUIPMENT	N	0		0														0		0	0
		K	0		0														0		0	0
		W	4		0														4		4	1.0000
		TOTALS	4		0														4		4	1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-14 SHEET 3

Aircraft/Base / Network	Equipment	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	SUBSYSTEM TASK TOTALS MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
AIRCRAFT/BASE: T-38A/RANDOLPH SUBSYSTEM NETWORK: 11A02 WINDSHIELD			111		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	18																		18	0.3333
		M (fix)	36																		36	0.6667
		N(check ok)	0																		0	0
		TOTALS	54																		54	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	14																		14	0.3500
		K(check ok)	0																		0	0
		M (fix)	26																		26	0.6500
		TOTALS	40																		40	1.0000
		OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: A-10A/MYRTLE BEACH SUBSYSTEM NETWORK: 11A02 WINDSHIELD			11A		MUC: 11AF		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	1		0														1	0.200	0.200	0.2000
		M	4		0														4	0.800	0.800	0.8000
		N	0		0														0	0	0	0
		TOTALS	5		0														5		1.000	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0		0														0	0	0	0
		K	0		0														0	0	0	0
		M	1		0														1	1.000	1.000	1.0000
		TOTALS	1		0														1		1.000	1.0000
		OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN SUBSYSTEM NETWORK: 11A02 WINDSHIELD			11A		MUC: 11AF		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	8		4	0.320													4	3.680	4.000	0.0268
		M	167		10	0.800													157	144.440	145.240	0.9732
		N	0		0	0													0	0	0	0
		TOTALS	175		14														161		149.240	1.0000
		OCCURRENCE WEIGHTS				0.0800														0.9200		
	OFF EQUIPMENT	N	0		0	0													0	0	0	0
		K	0		0	0													0	0	0	0
		M	12		1	0.083													11	10.084	10.167	1.0000
		TOTALS	12		1														11		10.167	1.0000
		OCCURRENCE WEIGHTS				0.0833														0.9167		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-15 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS		SUBSYSTEM TASK TOTALS		ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
			MUC:	MUC:	MUC:	MUC:																
AIRCRAFT/BASE: F-15A/LUKE; SUBSYSTEM NETWORK: 11K00 WINGS	ON EQUIPMENT		11K				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R (remove)	22																		22	0.0543
		M (fix)	381																		381	0.9407
		M(check ok)	2																		2	0.0044
		TOTALS	405																		405	0.9999
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	0																		0	0
		K(check ok	0																		0	0
		M (fix)	22																		22	1.0000
		TOTALS	22																		22	1.0000
		OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: F-15A/BITBURG; SUBSYSTEM NETWORK: 11K00 WINGS	ON EQUIPMENT		11K				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	6																		6	0.0248
		M	230																		230	0.9504
		N	6																		6	0.0248
		TOTALS	242																		242	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	1																		1	0.2500
		K	0																		0	0
		M	3																		3	0.7500
		TOTALS	4																		4	1.0000
		OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: B-52G/FAIRCHILD; SUBSYSTEM NETWORK: 11K00 WINGS	ON EQUIPMENT		11A	11B	11C		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	2	2	0																4	0.0153
		M	95	149	2																24[illegible]	0.9425
		N	10	1	0																11	0.0421
		TOTALS	107	152	2																2[illegible]1	0.9999
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0	0	0																0	0
		K	0	0	0																0	0
		M	6	11	0																11	1.0000
		TOTALS	6	11	0																17	1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-15 SHEET 2

AIRCRAFT/BASE / SUBSYSTEM NETWORK		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
AIRCRAFT/BASE: FB-111A/PLATTSBURGH; SUBSYSTEM NETWORK: 11K00 WINGS	ON EQUIPMENT		11EF	11B			MUC: 11B		MUC: 11EFA		MUC: 11EFB		MUC: 11EFC		MUC: 11EFD		MUC:		subsys residual			
		R (remove)	3	107			101	12.486	1	0.056	1	0.063	0	0	1	0.033			0	0	12.638	0.1586
		M (fix)	144	551			551	424.766	47	2.623	53	3.328	47	2.571	27	0.880			20	0.466	434.634	0.8340
		M(check ok)	0	5			5	3.854	0	0	0	0	0	0	0	0			0	0	3.854	0.0074
		TOTALS	197	663			663		48		54		47		28				20		521.126	1.0000
		OCCURRENCE WEIGHTS		[illegible]				0.7709		0.0558		0.0628		0.0547		0.0326				0.0233		
	OFF EQUIPMENT	M(sent on)	0	3			3	2.152	0	0	0		0	0	0				0		2.152	0.0802
		K(check ok)	0	0			0	0	0	0	0		0	0	0				0		0	0
		W (fix)	13	30			30	21.522	12	3.131	0		1	0.022	0				0		24.675	0.9198
		TOTALS	13	33			33		12		0		1		0				0		26.827	1.0000
		OCCURRENCE WEIGHTS		[illegible]				0.7174		0.2609				0.0217								
AIRCRAFT/BASE: C-141A/TRAVIS; SUBSYSTEM NETWORK: 11K00 WINGS	ON EQUIPMENT		11G				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R	265																		265	0.1263
		M	1722																		1822	0.8680
		H	12																		12	0.0057
		TOTALS	2099																		2099	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0																			0
		K	133																		133	0.3384
		W	260																		260	0.6616
		TOTALS	393																		393	1.0000
		OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: KC-135A/FAIRCHILD; SUBSYSTEM NETWORK: 11K00 WINGS	ON EQUIPMENT		11G	117	11J	11K	MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R	0	1	5	5															11	0.0117
		M	108	113	363	327															[illegible]	0.9691
		H	3	4	6	5															[illegible]	0.0191
		TOTALS	111	118	374	337															940	0.9999
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0	0	0	0															0	0
		K	0	0	0	0															0	0
		W	10	2	5	7															24	1.0000
		TOTALS	10	2	5	7															24	1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-15 SHEET 3

AIRCRAFT/BASE / SUBSYSTEM NETWORK		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
AIRCRAFT/BASE: T-38A/RANDOLPH; SUBSYSTEM NETWORK: 11K00 WINGS			116				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	66																		66	0.1650
	ON EQUIPMENT	M (fix)	334																		334	0.8350
	ON EQUIPMENT	H(check ok)	0																		0	0
	ON EQUIPMENT	TOTALS	400																		400	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	31																		31	0.1761
	OFF EQUIPMENT	K(check ok)	1																		1	0.0057
	OFF EQUIPMENT	W (fix)	144																		144	0.8182
	OFF EQUIPMENT	TOTALS	176																		176	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: A-10A/MYRTLE BEACH; SUBSYSTEM NETWORK: 11K00 WINGS			11D				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	4																		4	0.4000
	ON EQUIPMENT	M	6																		6	0.6000
	ON EQUIPMENT	H	0																		0	0
	ON EQUIPMENT	TOTALS	10																		10	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0																		0	0
	OFF EQUIPMENT	K	0																		0	0
	OFF EQUIPMENT	W	1																		1	1.0000
	OFF EQUIPMENT	TOTALS	1																		1	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				
AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN; SUBSYSTEM NETWORK: 11K00 WINGS			11D				MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	18																		18	0.1978
	ON EQUIPMENT	M	72																		72	0.7912
	ON EQUIPMENT	H	1																		1	0.0110
	ON EQUIPMENT	TOTALS	91																		91	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0																		0	0
	OFF EQUIPMENT	K	0																		0	0
	OFF EQUIPMENT	W	28																		28	1.0000
	OFF EQUIPMENT	TOTALS	28																		28	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-16 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		12BA		MUC: 12BA0		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R (remove)	1		0														1		1	0.3333
		N (fix)	2		0														2		2	0.6667
		N(check ok)	0		0														0		0	0
		TOTALS	3		0														3		3	1.0000
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N(sent on)	0		0														0			0
		K(check ok	0		0														0			0
		N (fix)	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		12BA		MUC: 12BA0		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R	0		0	0													0	0	0	0
		N	2		1	0.500													1	0.500	1.000	1.0000
		N	0		0	0													0	0	0	0
		TOTALS	2		1														1		1.000	1.0000
		OCCURRENCE WEIGHTS				0.5000														0.5000		
	OFF EQUIPMENT	N	0		0														0			0
		K	0		0														0			0
		N	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		12AA		MUC: 12AAA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R	11		0	0													11	9.830	9.830	0.2582
		N	35		5	0.532													30	26.808	27.340	0.7183
		N	1		0	0													1	0.894	0.894	0.0235
		TOTALS	47		5														42		38.064	1.0000
		OCCURRENCE WEIGHTS				0.1064														0.8936		
	OFF EQUIPMENT	N	2		0														2		2	.6667
		K	0		0														0		0	0
		N	1		0														1		1	0.3333
		TOTALS	3		0														3			1.0000
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-16 SHEET 2

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: FB-111A/PLATTSBURGH		16AG		MUC: 16AGA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R (remove)	36		5	1.761													31	20.082	21.843	0.1747
	N (fix)	192		76	26.767													116	75.145	101.912	0.8150
	H (check ok)	2		0	0													2	1.296	1.296	0.0104
	TOTALS	230		81														149		125.051	1.0001
	OCCURRENCE WEIGHTS				0.3522														0.6478		
OFF EQUIPMENT	N (sent on)	13		0	0													13	11.917	11.917	0.5861
	K (check ok	0		0	0													0	0	0	0
	W (fix)	11		2	0.167													9	8.250	8.417	0.4139
	TOTALS	24		2														22		20.334	1.0000
	OCCURRENCE WEIGHTS				0.0833														0.9167		
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: C-141A/TRAVIS		12BA		MUC: 12BAA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	59		33	10.418													26	17.792	28.210	0.0673
	N	679		200	63.140													479	327.780	390.920	0.9327
	H	0		0	0													0	0	0	0
	TOTALS	738		233														505		419.130	1.0000
	OCCURRENCE WEIGHTS				0.3157														0.6843		
OFF EQUIPMENT	N	6		0	0													6	4.264	4.264	0.0069
	K	41		9	2.604													32	22.742	25.346	0.0412
	W	997		293	84.765													704	500.333	585.098	0.9518
	TOTALS	1044		302														742		614.708	0.9999
	OCCURRENCE WEIGHTS				0.2893														0.7107		
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: KC-135A/FAIRCHILD		12AA		MUC: 12AAO		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	7		3	1.818													4	1.576	3.394	0.1968
	N	26		17	10.304													9	3.545	13.849	0.8032
	H	0		0	0													0	0	0	0
	TOTALS	33		20														13		17.243	1.0000
	OCCURRENCE WEIGHTS				0.6061														0.3939		
OFF EQUIPMENT	N	0		0	0													0		0	0
	K	0		0	0													0		0	0
	W	5		5	5.000													0		5.000	1.0000
	TOTALS	5		5														0		5.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-16 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: T-38A/RANDOLPH			1212	1222	WUC: 12121		WUC: 12222		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	33	23	3	0.587	3	0.228											50	36.415	37.230	0.3522
	ON EQUIPMENT	N (fix)	81	46	33	6.458	11	0.837											83	60.449	61.744	0.6409
	ON EQUIPMENT	N(check ok)	1	0	0	0	0	0											1	0.728	0.728	.0069
	ON EQUIPMENT	TOTALS	115	69	36		14												134		105.702	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS		[illegible]		0.1957		0.0761												0.7283		
	OFF EQUIPMENT	N(sent on)	235	571	0	0	0												806	804.066	804.066	0.9877
	OFF EQUIPMENT	K(check ok)	1	3	0	0	0												4	3.990	3.990	0.0049
	OFF EQUIPMENT	W (fix)	8	0	2	0.005	0												6	5.986	5.991	0.0074
	OFF EQUIPMENT	TOTALS	244	574	2		0												816		814.047	1.0000
	OFF EQUIPMENT	OCCURRENCE WEIGHTS		[illegible]		0.0024														0.9976		
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: A-10A/MYRTLE BEACH			12KA		WUC: 12KA0		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	0		0														0	0	0	0
	ON EQUIPMENT	N	1		0														1	1.000	1.000	1.0000
	ON EQUIPMENT	N	0		0														0	0	0	0
	ON EQUIPMENT	TOTALS	1		0														1		1.000	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0		0														0			0
	OFF EQUIPMENT	K	0		0														0			0
	OFF EQUIPMENT	W	0		0														0			0
	OFF EQUIPMENT	TOTALS	0		0														0			0
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 12B00 COCKPIT FURNISHINGS AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN			12KA		WUC: 12KA0		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	0		0	0													0	0	0	0
	ON EQUIPMENT	N	2		1	0.750													1	0.250	1.000	0.4000
	ON EQUIPMENT	N	2		2	1.500													0	0	1.500	0.6000
	ON EQUIPMENT	TOTALS	4		3														1		2.500	1.0000
	ON EQUIPMENT	OCCURRENCE WEIGHTS				0.7500														0.2500		
	OFF EQUIPMENT	N	0		0														0			0
	OFF EQUIPMENT	K	0		0														0			0
	OFF EQUIPMENT	W	0		0														0			0
	OFF EQUIPMENT	TOTALS	0		0														0			0
	OFF EQUIPMENT	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-17 SHEET 1

SUBSYSTEM NETWORK / AIRCRAFT/BASE		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	SUBSYSTEM TASK TOTALS MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		13AJ		MUC: 13AJA		MUC: 13AJB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R (remove)	339		327	303.783	25	1.832											0		305.615	1.0000
		N (fix)	2		0	0	0												0		0	0
		N(check ok)	0		0	0	0												0		0	0
		TOTALS	341		327		25												0		305.615	1.0000
		OCCURRENCE WEIGHTS			352	0.9290		0.0733														
	OFF EQUIPMENT	N(sent on)	473		472	470.018	1	0.004											0		470.022	1.0000
		K(check ok)	0		0	0	0	0											0		0	0
		W (fix)	1		0	0	1	0.004											0		0.004	0.0000
		TOTALS	474		472		2												0		472.026	1.0000
		OCCURRENCE WEIGHTS				0.9958		0.0042														
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		13AJ		MUC: 13AJA		MUC: 13AJB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	228		213	163.967	64	14.733											0		178.700	0.9957
		N	1		1	0.770	0	0											0		0.770	0.0043
		H	0		0	0	0	0											0		0	0
		TOTALS	229		214		64												0		179.470	1.0000
		OCCURRENCE WEIGHTS			278	0.7698		0.2302														
	OFF EQUIPMENT	N	124		110	36.014	14	9.416											0		45.430	0.2416
		K	205		0		205	137.883											0		137.883	0.7333
		W	7		0		7	4.708											0		4.708	0.0250
		TOTALS	336		110		226												0		188.021	0.9999
		OCCURRENCE WEIGHTS				0.3274		0.6726														
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		13CG		MUC: 13CGA		MUC: 13CGB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	100		6	0.887	96	80.976											0	0	81.863	0.3235
		N	14		4	0.591	10	8.435											0	0	9.026	0.0357
		H	229		41	6.060	185	156.048											3	0.026	[illegible]2.134	0.6408
		TOTALS	343		51		291												3		253.023	1.0000
		OCCURRENCE WEIGHTS			345	0.1478		0.8435												0.0087		
	OFF EQUIPMENT	N	159		60	45.078	99	24.621											0		69.699	0.1130
		K	826		680	510.884	146	36.310											0		547.194	0.8870
		W	0		0	0	0	0											0		0	0
		TOTALS	985		740		245												0		[illegible]	1.0000
		OCCURRENCE WEIGHTS				0.7513		0.2487														

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-17 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		13GA		WUC: 13GAA		WUC: 13GAH		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	86		58	18.479	69	46.202											0	0	64.681	0.3469
		M (fix)	15		12	3.823	3	2.009											0	0	5.832	0.0313
		H(check ok)	197		38	12.107	155	103.788											4	0.041	115.942	0.6218
		TOTALS	298		108		227												4		186.4??	1.0000
		OCCURRENCE WEIGHTS			339	0.3186		0.6696												0.0118		
	OFF EQUIPMENT	N(sent on)	0		0	0	0	0											0		0	0
		K(check ok	21		20	19.048	1	0.048											0		19.096	1.0000
		W (fix)	0		0	0	0	0											0		0	0
		TOTALS	21		20		1												0		19.096	1.0000
		OCCURRENCE WEIGHTS				0.9524		0.0476														
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		13GA		WUC: 13GAA		WUC: 13GAC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	356		11	0.339	352	337.674											0	0	338.013	0.4032
		M	16		9	0.277	1	0.959											6	0.059	1.295	0.0015
		H	531		8	0.246	520	498.836											3	0.030	499.112	0.5953
		TOTALS	903		28		873												9		838.420	1.0000
		OCCURRENCE WEIGHTS			910	0.0308		0.9593												0.0099		
	OFF EQUIPMENT	N	460		114	58.026	346	165.734											0	0	223.760	0.4579
		K	484		341	173.569	133	63.707											10	0.120	237.396	0.4858
		W	56		54	27.486	0	0											2	0.024	27.510	0.0563
		TOTALS	1000		509		479												12		488.666	1.0000
		OCCURRENCE WEIGHTS				0.5090		0.4790												0.0120		
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		13AM		WUC: 13AMF		WUC: 13AMG		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	97		88	79.737	8	0.434											1	0.040	80.211	0.3508
		M	25		13	11.779	2	0.108											10	0.397	12.284	0.0537
		H	154		150	135.915	5	0.271											0	0	136.186	0.5955
		TOTALS	276		251		15												11		228.681	1.0000
		OCCURRENCE WEIGHTS			277	0.9061		0.0542												0.0397		
	OFF EQUIPMENT	N	233		113	9.447	120	46.284											0	0	55.731	0.0919
		K	1050		3	0.251	410	158.137											627	337.992	496.380	0.8183
		W	104		0	0	5	1.928											99	52.529	54.457	0.0898
		TOTALS	1387		116		535												736		606.568	1.0000
		OCCURRENCE WEIGHTS				0.0836		0.3857												0.5306		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-17 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: T-38A/RANDOLPH		1381	1383	WUC: 13811		WUC: 13831		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	158	1506	152	14.182	1379	1138.227											133	10.813	1161.222	0.9988
	M (fix)	7	1	4	0.373	1	0.825											2	0.244	1.442	0.0012
	H(check ok)	0	0	0	0	0	0											0	0	0	0
	TOTALS	165	1507	156		1380												136		1164.464	1.0000
	OCCURRENCE WEIGHTS		1672		0.0933		0.8254												0.0813		
OFF EQUIPMENT	N(sent on)	60	1822	60	30.750	1611	694.663											211	11.858	737.271	0.4349
	K(check ok)	17	2	17	8.712	2	0.862											0	0	9.574	0.0056
	W (fix)	1846	5	1846	946.075	5	2.156											0	0	948.231	0.5594
	TOTALS	1923	1829	1923		1618												211		1695.076	0.9999
	OCCURRENCE WEIGHTS		3752		0.5125		0.4812												0.0562		
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: A-10A/MYRTLE BEACH		13AH		WUC: 13AHA		WUC: 13AHG		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	2		0		2	2.000											0		2.000	1.0000
	M	0		0		0	0											0		0	0
	H	0		0		0	0											0		0	0
	TOTALS	2		0		2												0		2.000	1.0000
	OCCURRENCE WEIGHTS						1.0000														
OFF EQUIPMENT	N	0		0	0	0												0		0	0
	K	2		2	2.000	0												0		2.000	1.0000
	W	0		0	0	0												0		0	0
	TOTALS	2		2		0												0		2.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																
SUBSYSTEM NETWORK: 13A00 MAIN LANDING GEAR AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		13AH		WUC: 13AHA		WUC: 13AHG		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	30		17	9.634	10	3.333											3	0.300	13.267	1.0000
	M	0		0	0	0	0											0	0	0	0
	H	0		0	0	0	0											0	0	0	0
	TOTALS	30		17		10												3		13.267	1.0000
	OCCURRENCE WEIGHTS				0.5667		0.3333												0.1000		
OFF EQUIPMENT	N	60		60	30.246	0	0											0	0	30.246	0.5163
	K	0		0	0	0	0											0	0	0	0
	W	61		1	0.504	58	27.799											2	0.033	28.336	0.4837
	TOTALS	121		61		58												2		58.582	1.0000
	OCCURRENCE WEIGHTS				0.5041		0.4793												0.0165		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-18 SHEET 1

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK. PROB
SUBSYSTEM NETWORK: 13D00 BRAKE SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE		13D		WUC: 13DB		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	117		113	48.875													4	0.500	49.375	0.9353
ON EQUIPMENT	M (fix)	17		6	5.250													11	1.375	6.625	0.0624
ON EQUIPMENT	H(check ok)	2		0	0													2	0.250	0.250	0.0024
ON EQUIPMENT	TOTALS	136		119														17		56.250	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.8750														0.1250		
OFF EQUIPMENT	N(sent on)	143		135	114.116													8	1.238	115.354	0.4165
OFF EQUIPMENT	K(check ok)	1		1	0.845													0	0	0.845	0.0031
OFF EQUIPMENT	W (fix)	231		181	152.999													50	7.735	160.734	0.5804
OFF EQUIPMENT	TOTALS	375		317														58		276.933	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.8453														0.1547		
SUBSYSTEM NETWORK: 13D00 BRAKE SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG		13D		WUC: 13DB		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	30		26	17.875													4	1.250	19.125	0.6987
ON EQUIPMENT	M	16		7	4.812													9	2.812	7.624	0.2785
ON EQUIPMENT	H	2		0	0													2	0.625	0.625	0.0228
ON EQUIPMENT	TOTALS	48		33														15		27.374	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.6875														0.3125		
OFF EQUIPMENT	N	303		302	300.490													1	0.005	300.495	0.9588
OFF EQUIPMENT	K	19		19	18.905													0	0	18.905	0.0477
OFF EQUIPMENT	W	78		77	76.615													1	0.005	76.620	0.1935
OFF EQUIPMENT	TOTALS	400		398														2		396.020	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.9950														0.0050		
SUBSYSTEM NETWORK: 13D00 BRAKE SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD		13EE		WUC: 13EEP		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	53		38	27.907													15	7.840	35.747	0.2066
ON EQUIPMENT	M	103		63	46.267													40	26.240	72.507	0.3969
ON EQUIPMENT	H	100		87	63.893													13	8.528	72.421	0.3964
ON EQUIPMENT	TOTALS	256		188														68		182.615	0.9999
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.7344														0.2656		
OFF EQUIPMENT	N	4		4	0.825													0	0	0.825	0.0026
OFF EQUIPMENT	K	183		29	5.980													154	122.245	128.225	0.3972
OFF EQUIPMENT	W	293		66	13.609													227	180.193	193.802	0.6003
OFF EQUIPMENT	TOTALS	480		99														381		322.852	1.0001
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.2062														0.7938		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-18 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 13000 BRAKE SUBSYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		13JA		WUC: 13JAG		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R (remove)	49		30	20.862													19	5.277	26.[illegible]	0.2347
		N (fix)	60		26	18.080													34	10.356	28.436	0.2504
		M(check ok)	88		81	56.327													7	2.132	58.459	0.5149
		TOTALS	197		137														60		113.544	1.0000
		OCCURRENCE WEIGHTS				0.6954														0.3046		
	OFF EQUIPMENT	N(sent on)	222		3	0.435													219	187.267	187.702	0.8817
		K(check ok)	17		5	0.724													12	10.261	10.985	0.0516
		W (fix)	44		33	4.782													11	9.406	14.188	0.0666
		TOTALS	283		41														242		212.875	0.9999
		OCCURRENCE WEIGHTS				0.1449														0.8551		
SUBSYSTEM NETWORK: 13000 BRAKE SUBSYSTEM AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		13DB		WUC: 13DBA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	365		139	47.204													226	149.250	196.454	0.2695
		N	854		208	70.637													646	426.618	497.255	0.6821
		H	103		102	34.639													1	0.660	35.299	0.0484
		TOTALS	1322		449														873		729.008	1.0000
		OCCURRENCE WEIGHTS				0.3396														0.6604		
	OFF EQUIPMENT	N	103		5	2.634													98	46.374	49.008	0.3083
		K	51		47	24.760													4	1.843	26.[illegible]	0.1677
		W	163		115	60.582													48	22.714	83.296	0.5240
		TOTALS	317		167														150		158.957	1.0000
		OCCURRENCE WEIGHTS				0.5268														0.4732		
SUBSYSTEM NETWORK: 13000 BRAKE SUBSYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		13C		WUC: 13CA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	41		31	24.715													10	2.731	27.446	0.1913
		M	71		34	24.715													37	10.105	34.820	0.2426
		H	123		105	76.324													18	4.916	81.240	0.5661
		TOTALS	238		173														65		143.506	1.0000
		OCCURRENCE WEIGHTS				0.7269														0.2731		
	OFF EQUIPMENT	N	11		9	8.830													2	0.038	8.868	0.0193
		K	232		232	227.615													0	0	227.615	0.4955
		W	234		227	222.710													7	0.132	222.842	0.4852
		TOTALS	477		468														9		459.325	1.0000
		OCCURRENCE WEIGHTS				0.9811														0.0189		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-18 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 13000 BRAKE SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		1361		WUC: 13611		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	227		167	128.824													60	13.716	142.540	0.5243
		M (fix)	191		152	120.338													35	8.001	128.339	0.4720
		H(check ok)	2		1	0.771													1	0.229	1.000	0.0037
		TOTALS	420		324														96		271.879	1.0000
		OCCURRENCE WEIGHTS				0.7714														0.2286		
	OFF EQUIPMENT	N(sent on)	27		15	11.702													12	2.639	14.341	0.0128
		K(check ok)	499		477	372.108													22	4.838	376.146	0.3373
		W (fix)	1175		835	651.384													340	74.760	[illegible]	0.6498
		TOTALS	1701		1327														374		[illegible]	0.9999
		OCCURRENCE WEIGHTS				0.7801														0.2199		
SUBSYSTEM NETWORK: 13000 BRAKE SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT		13D		WUC: 13DA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	0		0														0	0	0	0
		M	1		0														1	1.000	1.000	1.0000
		H	0		0														0	0	0	0
		TOTALS	1		0														1		1.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		
	OFF EQUIPMENT	N	0		0														0			0
		K	0		0														0			0
		W	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 13000 BRAKE SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN	ON EQUIPMENT		13D		WUC: 13DA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	9		0														9	9.000	9.000	0.3000
		M	13		0														13	13.000	13.000	0.4333
		H	8		0														8	8.000	8.000	0.2667
		TOTALS	30		0														30		30.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		
	OFF EQUIPMENT	N	4		1	0.250													3	2.250	2.500	1.0000
		K	0		0	0													0	0	0	0
		W	0		0	0													0	0	0	0
		TOTALS	4		1														3		2.500	1.0000
		OCCURRENCE WEIGHTS				0.2500														0.7500		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-19 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 14C00 STABILATOR SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE			14C		MUC: 14CA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	23		0	0													23	12.250	12.250	0.2652
		N (fix)	55		42	19.631													13	6.424	26.553	0.5748
		N(check ok)	14		1	0.467													13	6.924	7.391	0.1600
		TOTALS	92		43														49		46.116	1.0000
		OCCURRENCE WEIGHTS				0.4674														0.5326		
	OFF EQUIPMENT	N(sent on)	12		1	0.059													11	10.353	10.412	0.6887
		K(check ok	0		0	0													0	0	0	0
		W (fix)	5		0	0													5	4.706	4.706	0.3113
		TOTALS	17		1														16		15.118	1.0000
		OCCURRENCE WEIGHTS				0.0588														0.9412		
SUBSYSTEM NETWORK: 14C00 STABILATOR SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG			14C		MUC: 14CA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	18		3	1.859													15	5.704	7.563	0.2015
		N	46		38	23.549													8	3.042	26.591	0.7085
		H	7		3	1.859													4	1.521	3.380	0.0901
		TOTALS	71		44														27		37.534	1.0001
		OCCURRENCE WEIGHTS				0.6197														0.3803		
	OFF EQUIPMENT	N	16		1	0.158													15	12.632	12.790	0.9170
		K	0		0	0													0	0	0	0
		W	3		2	0.316													1	0.842	1.158	0.0830
		TOTALS	19		3														16		13.448	1.0000
		OCCURRENCE WEIGHTS				0.1579														0.8421		
SUBSYSTEM NETWORK: 14C00 STABILATOR SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD			14D		MUC: 14DEA		MUC: 14DH		MUC: 14DJ		MUC: 14DL		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	3		0		0		0	0	0	0							3	2.868	2.868	0.0461
		N	45		0		0		2	0.059	1	0.015							42	40.148	40.222	0.6466
		H	20		0		0		0	0	0	0							20	19.118	19.118	0.3073
		TOTALS	68		0		0		2		1								65		62.208	1.0000
		OCCURRENCE WEIGHTS								0.0294		0.0147								0.9559		
	OFF EQUIPMENT	N	1		0		0		0		0								1	1.000	[illegible]	1.0000
		K	0		0		0		0		0								0	0	0	0
		W	0		0		0		0		0								0	0	0	0
		TOTALS	1		0		0		0		0								1			1.0000
		OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-19 SHEET 2

SUBSYSTEM NETWORK: 14C00
STABILATOR SUBSYSTEM
AIRCRAFT/BASE: FB-111A/PLATTSBURGH

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		14C		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	71																		71	0.2731
	N (fix)	85																		75	0.3269
	H(check ok)	104																		104	0.4000
	TOTALS	260																		260	1.0000
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N(sent on)	45																		45	0.7627
	K(check ok)	1																		1	0.0169
	W (fix)	13																		13	0.2203
	TOTALS	59																		59	0.9999
	OCCURRENCE WEIGHTS																				

SUBSYSTEM NETWORK: 14C00
STABILATOR SUBSYSTEM
AIRCRAFT/BASE: C-141A/TRAVIS

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		11H		WUC: 11HC		WUC: 11HD		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	52		45	28.678	0	0											7	1.352	30.030	0.1345
	N	411		252	160.600	78	13.221											81	15.641	189.462	0.8610
	H	3		0	0	1	0.170											2	0.386	0.556	0.0025
	TOTALS	466		297		79												90		220.048	1.0000
	OCCURRENCE WEIGHTS				0.6373		0.1695												0.1931		
OFF EQUIPMENT	N	0		0	0	0	0											0	0	0	0
	K	124		3	0.814	0	0											121	86.890	87.704	0.7916
	W	64		48	13.022	2	0.021											14	10.053	23.096	0.2084
	TOTALS	188		51		2												135		110.800	1.0000
	OCCURRENCE WEIGHTS				0.2713		0.0106												0.7181		

SUBSYSTEM NETWORK: 14C00
STABILATOR SUBSYSTEM
AIRCRAFT/BASE: KC-135A/FAIRCHILD

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		11G	115	WUC: 11G		WUC: 1151		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	0	0	0	0	0	0											0	0	0	0
	N	69	50	69	40.248	37	11.407											13	1.408	53.063	0.9891
	H	1	0	1	0.583	0	0											0	0	0.583	0.0109
	TOTALS	70	50	70		37												13		53.646	1.0000
	OCCURRENCE WEIGHTS		120		0.5833		0.3083												0.1083		
OFF EQUIPMENT	N	0	0	0	0	0												0	0	0	0
	K	0	0	0	0	0												0	0	0	0
	W	2	2	2	1.000	0												2	1.000	2.000	1.0000
	TOTALS	2	2	2		0												2		2.000	1.0000
	OCCURRENCE WEIGHTS		1		0.5000														0.5000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-19 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: T4C00 STABILATOR SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH		142		MUC: 1421		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R (remove)	265		19	4.229													246	191.240	195.469	0.4966
	M (fix)	270		106	23.596													164	127.494	151.090	0.3838
	M(check ok)	67		9	2.003													58	45.089	47.092	0.1196
	TOTALS	602		134														468		343.651	1.0000
	OCCURRENCE WEIGHTS				0.2226														0.7774		
OFF EQUIPMENT	M(sent on)	25		3	0.069													22	21.492	21.561	0.0261
	K(check ok)	102		0	0													102	99.644	99.644	0.1206
	W (fix)	738		17	0.393													721	704.345	704.738	0.8533
	TOTALS	865		20														845		825.943	1.0000
	OCCURRENCE WEIGHTS				0.0231														0.9769		
SUBSYSTEM NETWORK: T4C00 STABILATOR SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH		11E		MUC: 11EA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	0		0														0	0	0	0
	M	2		0														2	2.000	2.000	1.0000
	M	0		0														0	0	0	0
	TOTALS	2		0														2		2.000	1.0000
	OCCURRENCE WEIGHTS																		1.000		
OFF EQUIPMENT	M	0		0														0			0
	K	0		0														0			0
	W	0		0														0			0
	TOTALS	0		0														0			0
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: T4C00 STABILATOR SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		11E		MUC: 11EA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	1		0	0													1	0.880	0.880	0.0446
	M	24		3	0.360													21	18.480	18.840	0.9554
	M	0		0	0													0		0	0
	TOTALS	25		3														22		19.720	1.0000
	OCCURRENCE WEIGHTS				0.1200														0.8800		
OFF EQUIPMENT	M	0		0														0	0	0	0
	K	0		0														0	0	0	0
	W	2		0														2	2.000	2.000	1.0000
	TOTALS	2		0														2		2.000	1.0000
	OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-20 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 14000 RUDDER SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE			14D		WUC: 14DA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	15		7	2.953													8	4.625	7.578	0.2312
		M (fix)	41		20	8.438													21	12.140	20.578	0.6277
		H(check ok)	8		0	0													8	4.625	4.625	0.1411
		TOTALS	64		27														37		32.781	1.0000
		OCCURRENCE WEIGHTS				0.4219														0.5781		
	OFF EQUIPMENT	N(sent on)	8		0	0													8	4.500	4.500	0.5539
		K(check ok)	0		0	0													0	0	0	0
		W (fix)	8		7	3.062													1	0.562	3.624	0.4461
		TOTALS	16		7														9		8.124	1.0000
		OCCURRENCE WEIGHTS				0.4375														0.5625		
SUBSYSTEM NETWORK: 14000 RUDDER SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG			14D		WUC: 14DA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	8		1	0.571													7	3.000	3.571	0.2500
		M	15		13	7.428													2	0.857	8.285	0.5800
		H	5		2	1.143													3	1.286	2.429	0.1700
		TOTALS	28		16														12		14.285	1.0000
		OCCURRENCE WEIGHTS				0.5714														0.4286		
	OFF EQUIPMENT	N	8		0	0													8	7.200	1.200	0.8780
		K	0		0	0													0	0	0	0
		W	2		1	0.100													1	0.900	1.000	0.1220
		TOTALS	10		1														9		8.200	1.0000
		OCCURRENCE WEIGHTS				0.1000														0.9000		
SUBSYSTEM NETWORK: 14000 RUDDER SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD			14BG		WUC: 14BGA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	0		0	0													0		0	0
		M	0		0	0													0		0	0
		H	1		1	1.000													0		1.000	1.0000
		TOTALS	1		1														0		1.000	1.0000
		OCCURRENCE WEIGHTS				1.0000																
	OFF EQUIPMENT	N	0		0														0			0
		K	0		0														0			0
		W	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-20 SHEET 2

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 14000 RUDDER SUBSYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH		14A		WUC: 14AD		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	20		4	0.475											16	14.049	14.574	0.1825
	M (fix)	46		5	0.594											41	36.129	36.723	0.4549
	M(check ok)	35		3	0.356											32	28.198	28.554	0.3576
	TOTALS	101		12												89		79.851	1.0000
	OCCURRENCE WEIGHTS				0.1188												0.8812		
OFF EQUIPMENT	M(sent on)	6		0	0											6	5.666	5.666	0.3517
	K(check ok)	0		0	0											0	0	0	0
	M (fix)	12		1	0.056											11	10.388	10.444	0.6483
	TOTALS	18		1												17		16.110	1.0000
	OCCURRENCE WEIGHTS				0.0556												0.9444		
SUBSYSTEM NETWORK: 14000 RUDDER SUBSYSTEM AIRCRAFT/BASE: C-141A/TRAVIS		14C		WUC: 14CA		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	52		6	2.000											46	30.668	32.668	0.1903
	M	219		87	29.000											132	88.004	117.004	0.6816
	M	38		10	3.333											28	18.668	22.001	0.1282
	TOTALS	309		103												206		171.673	1.0001
	OCCURRENCE WEIGHTS				0.3333												0.6667		
OFF EQUIPMENT	M	7		0	0											7	6.883	6.883	0.1186
	K	1		0	0											1	0.983	0.983	0.0169
	M	52		1	0.017											51	50.148	50.165	0.8645
	TOTALS	60		1												59		58.031	1.0000
	OCCURRENCE WEIGHTS				0.0167												0.9833		
SUBSYSTEM NETWORK: 14000 RUDDER SUBSYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD		14B		WUC: 14BF		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	26		0	0											26	23.585	23.585	0.2026
	M	77		13	1.208											64	58.054	59.262	0.5091
	M	37		0	0											37	33.563	33.563	0.2883
	TOTALS	140		13												127		116.410	1.0000
	OCCURRENCE WEIGHTS				0.0929												0.9071		
OFF EQUIPMENT	M	7		0												7	7.000	7.000	0.1795
	K	15		0												15	15.000	15.000	0.3846
	M	17		0												17	17.000	17.000	0.4359
	TOTALS	39		0												39		39.000	1.0000
	OCCURRENCE WEIGHTS																1.000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-20 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: T4000 RUDDER SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH			143		WUC: 1431		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R (remove)	100		8	2.500													92	63.250	65.750	0.5147
		M (fix)	113		58	18.125													55	37.812	55.937	0.4379
		H(check ok)	11		4	1.250													7	4.812	6.062	0.0475
		TOTALS	224		70														154		127.749	1.0001
		OCCURRENCE WEIGHTS				0.3125														0.6875		
	OFF EQUIPMENT	N(sent on)	11		3	0.149													8	7.602	7.751	0.0473
		K(check ok	98		0	0													98	93.129	93.129	0.5682
		W (fix)	72		6	0.298													66	62.720	63.018	0.3845
		TOTALS	181		9														172		163.898	1.0000
		OCCURRENCE WEIGHTS				0.0497														0.9503		
SUBSYSTEM NETWORK: T4000 RUDDER SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH			146		WUC: 146A		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	0		0	0													0		0	0
		M	1		1	1.000													0		1.000	1.0000
		H	0		0	0													0		0	0
		TOTALS	1		1														0		1.000	1.0000
		OCCURRENCE WEIGHTS				1.0000																
	OFF EQUIPMENT	N	0		0														0			0
		K	0		0														0			0
		W	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: T4000 RUDDER SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN			146		WUC: 146A		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	6		5	3.518													1	0.296	3.814	0.2423
		M	12		11	7.741													1	0.296	8.037	0.5106
		H	9		3	2.111													6	1.778	3.889	0.2471
		TOTALS	27		19														8		15.740	1.0000
		OCCURRENCE WEIGHTS				0.7037														0.2963		
	OFF EQUIPMENT	N	1		0	0													1	0.125	0.125	0.0200
		K	1		1	0.875													0	0	0.875	0.1400
		W	6		6	5.250													0	0	5.250	0.8400
		TOTALS	8		7														1		6.250	1.0000
		OCCURRENCE WEIGHTS				0.8750														0.1250		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-21 SHEET 1

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE		14H		WUC: 14HA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R (remove)	11		0	0													11	9.968	9.968	0.3753
ON EQUIPMENT	M (fix)	11		3	0.281													8	7.250	7.531	0.2835
ON EQUIPMENT	H(check ok)	10		0	0													10	9.062	9.062	0.3412
ON EQUIPMENT	TOTALS	32		3														29		26.561	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.0938														0.4062		
OFF EQUIPMENT	N(sent on)	12		0														12	12.000	12.000	1.0000
OFF EQUIPMENT	K(check ok	0		0														0	0	0	0
OFF EQUIPMENT	V (fix)	0		0														0	0	0	0
OFF EQUIPMENT	TOTALS	12		0														12		12.000	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS																		1.0000		
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG		14H		WUC: 14HA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R	2		0	0													2	0.842	0.842	0.0432
ON EQUIPMENT	M	32		20	11.578													12	5.053	16.631	0.8541
ON EQUIPMENT	H	4		2	1.158													2	0.842	2.000	0.1027
ON EQUIPMENT	TOTALS	38		22														16		19.473	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.5789														0.4211		
OFF EQUIPMENT	N	1		0														1	1.000	1.000	1.0000
OFF EQUIPMENT	K	0		0														0	0	0	0
OFF EQUIPMENT	V	0		0														0	0	0	0
OFF EQUIPMENT	TOTALS	1		0														1		1.000	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS																		1.0000		
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD		14E		WUC: 14EE		WUC: 14EH		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R	15		3	1.028	0	0											12	5.530	6.618	0.1730
ON EQUIPMENT	M	71		30	10.881	18	3.177											23	10.578	24.656	0.6445
ON EQUIPMENT	H	16		4	1.451	0	0											12	5.530	6.981	0.1825
ON EQUIPMENT	TOTALS	102		37		18												47		38.255	1.0000
ON EQUIPMENT	OCCURRENCE WEIGHTS				0.3627		0.1765												0.4608		
OFF EQUIPMENT	N	1		0	0	0												1	0.857	0.857	0.1621
OFF EQUIPMENT	K	0		0	0	0												0	0	0	0
OFF EQUIPMENT	V	6		1	0.143	0												5	4.286	4.429	0.8379
OFF EQUIPMENT	TOTALS	7		1		0												6		5.286	1.0000
OFF EQUIPMENT	OCCURRENCE WEIGHTS				0.1429														0.8571		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-21 SHEET 2

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH		14D		WUC: 14DC		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	128		98	25.097													30	2.011	82.108	0.1391
	N (fix)	482		360	215.868													122	28.511	304.379	0.5155
	N(check ok)	310		247	179.276													63	14.723	203.999	0.3455
	TOTALS	920		705														215		590.486	1.0001
	OCCURRENCE WEIGHTS				0.7663														0.2337		
OFF EQUIPMENT	M(sent on)	6		1	0.773													5	1.134	1.907	0.0392
	K(check ok)	1		0	0													1	0.227	0.227	0.0047
	W (fix)	68		57	44.078													11	2.494	46.572	0.9562
	TOTALS	75		58														17		48.706	1.0001
	OCCURRENCE WEIGHTS				0.7733														0.2267		
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: C-141A/TRAVIS		14G		WUC: 14GA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	383		216	112.374													167	76.252	198.626	0.2285
	N	857		498	270.613													359	163.919	434.532	0.5128
	N	442		200	108.680													242	110.497	219.177	0.2587
	TOTALS	1682		914														768		847.335	1.0000
	OCCURRENCE WEIGHTS				0.5434														0.4566		
OFF EQUIPMENT	N	49		0	0													49	31.576	31.576	0.6476
	K	2		0	0													2	1.289	1.289	0.0264
	W	39		32	11.379													7	4.511	15.890	0.3259
	TOTALS	90		32														58		48.755	0.9999
	OCCURRENCE WEIGHTS				0.3556														0.6444		
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD		14E		WUC: 14EF		WUC: 14EG		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	23		0	0	0	0											23	17.250	17.250	0.0370
	N	694		99	13.256	89	10.333											506	379.500	403.089	0.8657
	N	67		6	0.803	2	0.232											59	44.250	45.285	0.0973
	TOTALS	784		105		91												588		465.624	1.0000
	OCCURRENCE WEIGHTS				0.1339		0.1161												0.7500		
OFF EQUIPMENT	N	2		0	0	0	0											2	1.574	1.574	0.0518
	K	2		0	0	0	0											2	1.574	1.574	0.0518
	W	43		7	1.042	3	0.191											33	25.978	27.211	0.8963
	TOTALS	47		7		3												37		30.359	0.9999
	OCCURRENCE WEIGHTS				0.1489		0.0638												0.7872		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-21 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB.
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		145		WUC: 1451		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	62		31	13.761													31	17.239	31.000	0.2861
		M (fix)	123		61	27.078													62	34.478	61.556	0.5681
		M(check ok)	29		3	1.332													26	14.459	15.791	0.1457
		TOTALS	214		95														114		108.347	0.9999
		OCCURRENCE WEIGHTS				0.4439														0.5561		
	OFF EQUIPMENT	N(sent on)	9		2	1.059													7	3.294	4.353	0.1701
		K(check ok)	1		0	0													1	0.471	0.471	0.0184
		W (fix)	41		25	13.235													16	7.530	20.765	0.8115
		TOTALS	51		27														24		25.589	1.0000
		OCCURRENCE WEIGHTS				0.5294														0.4706		
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT		14K		WUC: 14KA		WUC: 14KB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	0		0	0	0												0	0	0	0
		M	1		1	0.500	0												0	0	0.500	0.5000
		H	1		0	0	0												1	0.500	0.500	0.5000
		TOTALS	2		1		0												1		1.000	1.0000
		OCCURRENCE WEIGHTS				0.5000														0.5000		
	OFF EQUIPMENT	N	0		0		0												0			0
		K	0		0		0												0			0
		W	0		0		0												0			0
		TOTALS	0		0		0												0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 14H00 FLAP SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN	ON EQUIPMENT		14K		WUC: 14KA		WUC: 14KB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	4		0	0	2	0.545											2	0.364	0.409	0.1020
		M	17		11	6.001	4	1.091											2	0.364	7.456	0.8367
		H	1		1	0.546	6	0											0	0	0.546	0.0613
		TOTALS	22		12		6												4		6.911	1.0000
		OCCURRENCE WEIGHTS				0.5455		0.2727												0.1818		
	OFF EQUIPMENT	N	1		0	0	0	0											1	0.400	0.400	0.2222
		K	0		0	0	0	0											0	0	0	0
		W	4		1	0.200	2	0.800											1	0.400	1.400	0.7778
		TOTALS	5		1		2												2		1.800	1.0000
		OCCURRENCE WEIGHTS				0.2000		0.4000												0.4000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-22 SHEET 1

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE																					
ON EQUIPMENT		41AA		WUC: 41AAW		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	R (remove)	33		1	0.017													32	31.457	31.476	0.5519
	N (fix)	22		0	0													22	21.628	21.628	0.3792
	N(check ok)	4		0	0													4	3.932	3.932	0.0689
	TOTALS	59		1														58		57.036	1.0000
	OCCURRENCE WEIGHTS				0.0169														0.9831		
OFF EQUIPMENT	N(sent on)	16		0														16	16.000	16.000	0.5000
	K(check ok	9		0														9	9.000	9.000	0.2812
	W (fix)	7		0														7	7.000	7.000	0.2188
	TOTALS	32		0														32		32.000	1.0000
	OCCURRENCE WEIGHTS																		1.0000		
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG																					
ON EQUIPMENT		41A		WUC: 41AAW		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	R	19		1	0.023													18	17.581	17.604	0.4289
	N	11		0	0													11	10.744	10.744	0.2618
	N	13		0	0													13	12.697	12.697	0.3093
	TOTALS	43		1														42		41.045	1.0000
	OCCURRENCE WEIGHTS				0.0233														0.9767		
OFF EQUIPMENT	N	16		0														16	16.000	16.000	0.8889
	K	2		0														2	2.000	2.000	0.1111
	W	0		0														0	0	0	0
	TOTALS	18		0														18		18.000	1.0000
	OCCURRENCE WEIGHTS																		1.0000		
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD																					
ON EQUIPMENT		41AD		WUC: 41ADA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	R	5		1	0.118													4	3.530	3.648	0.1354
	N	26		3	0.353													23	20.295	20.648	0.7664
	N	3		0	0													3	2.647	2.647	0.0982
	TOTALS	34		4														30		26.943	1.0000
	OCCURRENCE WEIGHTS				0.1176														0.8824		
OFF EQUIPMENT	N	0		0														0			0
	K	0		0														0			0
	W	0		0														0			0
	TOTALS	0		0														0			0
	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-22 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH			41AB		MUC: 41ABE		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	152		16	3.496													136	106.284	109.780	0.5521
		M (fix)	141		49	10.706													92	71.898	82.604	0.4154
		M(check ok)	9		1	0.218													8	6.252	6.470	0.0325
		TOTALS	302		66														236		198.854	1.0000
		OCCURRENCE WEIGHTS				0.2185														0.7815		
	OFF EQUIPMENT	N(sent on)	23		2	0.118													21	19.765	19.883	0.6576
		K(check ok	1		0	0													1	0.941	0.941	0.0311
		M (fix)	10		0	0													10	9.412	9.412	0.3113
		TOTALS	34		2														32		30.236	1.0000
		OCCURRENCE WEIGHTS				0.0588														0.9412		
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: C-141A/TRAVIS			41AE		MUC: 41AE0		MUC: 41AEA		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	27		4	2.430	4	0.405											19	5.531	8.366	0.2281
		M	48		40	24.304	4	0.405											4	1.164	25.873	0.7056
		M	4		4	2.430	0	0											0	0	2.430	0.0663
		TOTALS	79		48		8												23		36.669	1.0000
		OCCURRENCE WEIGHTS				0.6076		0.1013												0.2911		
	OFF EQUIPMENT	N	0		0	0	0												0	0	0	0
		K	0		0	0	0												0	0	0	0
		:	23		21	19.173	0												2	0.174	19.347	1.0000
		TOTALS	23		21		0												2		19.347	1.0000
		OCCURRENCE WEIGHTS				0.9130														0.0870		
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD			4121		MUC: 41214		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	32		0														32	32.000	32.000	0.4706
		M	21		0														21	21.000	21.000	0.3088
		M	15		0														15	15.000	15.000	0.2206
		TOTALS	68		0														68		68.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		
	OFF EQUIPMENT	N	26		0														26	26.000	26.000	0.5909
		K	0		0														0	0	0	0
		M	18		0														18	18.000	18.000	0.4091
		TOTALS	44		0														44		44.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-22 SHEET 3

Subsystem network / aircraft/base		Task code	Subsystem task totals MUC:	MUC:	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Actual tasks	Weighted tasks	Weighted task totals	Weighted average task prob
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH			4113		MUC: 41138		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	65		33	17.635													32	14.899	32.534	0.4944
		M (fix)	61		37	19.773													24	11.174	30.947	0.4703
		H(check ok)	5		0	0													5	2.328	2.328	0.0354
		TOTALS	131		70														61		65.809	1.0001
		OCCURRENCE WEIGHTS				0.5344														0.4656		
	OFF EQUIPMENT	N(sent on)	17		2	0.975													15	7.666	8.644	0.1920
		K(check ok)	1		1	0.489													0	0	0.489	0.0109
		W (fix)	72		41	20.045													31	15.844	35.889	0.7971
		TOTALS	90		44														46		45.022	1.0000
		OCCURRENCE WEIGHTS				0.4889														0.5111		
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH			41BA		MUC: 41BAF		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	1		0														1	1.000	1.000	1.0000
		M	0		0														0	0	0	0
		H	0		0														0	0	0	0
		TOTALS	1		0														1		1.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		
	OFF EQUIPMENT	N	0		0														0			0
		K	0		0														0			0
		W	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN			41BA		MUC: 41BAF		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	13		1	0.050													12	11.400	11.450	0.6326
		M	7		0	0													7	6.65	6.650	0.3674
		H	0		0	0													0	0	0	0
		TOTALS	20		1														19		18.100	1.0000
		OCCURRENCE WEIGHTS				0.0500														0.9500		
	OFF EQUIPMENT	N	0		0														0	0	0	0
		K	0		0														0	0	0	0
		W	1		0														1	1.000	1.000	1.0000
		TOTALS	1		0														1		1.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-23 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE			42AD		WUC: 42ADA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	16		6	1.818													10	6.970	8.788	0.4610
		M (fix)	14		4	1.212													10	6.970	8.182	0.4293
		H(check ok	3		0	0													3	2.091	2.091	0.1097
		TOTALS	33		10														23		19.061	1.0000
		OCCURRENCE WEIGHTS				0.3030														0.6970		
	OFF EQUIPMENT	N(sent on)	14		7	3.574													7	3.426	7.000	0.2977
		K(check ok	28		14	7.148													14	6.852	14.000	0.5955
		W (fix)	5		3	1.532													2	0.979	2.511	0.1068
		TOTALS	47		24														23		23.511	1.0000
		OCCURRENCE WEIGHTS				0.5106														0.4894		
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG			42AD		WUC: 42ADA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	19		14	6.000													5	2.857	8.857	0.4960
		M	14		1	0.429													13	7.428	7.857	0.4400
		H	2		0	0													2	1.143	1.143	0.0640
		TOTALS	35		15														20		17.857	1.0000
		OCCURRENCE WEIGHTS				0.4286														0.5714		
	OFF EQUIPMENT	N	18		7	2.843													11	6.532	9.375	0.5660
		K	6		3	1.219													3	1.781	3.000	0.1811
		W	8		3	1.219													5	2.969	4.188	0.2529
		TOTALS	32		13														19		16.563	1.0000
		OCCURRENCE WEIGHTS				0.4062														0.5938		
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD			42BA		WUC: 42BAA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	12		11	9.122													1	0.171	9.293	0.1581
		M	69		57	47.270													12	2.048	49.318	0.8390
		H	1		0	0													1	0.171	0.171	0.0029
		TOTALS	82		68														14		58.782	1.0000
		OCCURRENCE WEIGHTS				0.8293														0.1707		
	OFF EQUIPMENT	N	17		16	10.667													1	0.333	11.000	0.6600
		K	1		1	0.667													0	0	0.667	0.0400
		W	12		3	2.000													9	3.000	5.000	0.3000
		TOTALS	30		20														10		16.667	1.0000
		OCCURRENCE WEIGHTS				0.6667														0.3333		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-23 SHEET 2

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH — ON EQUIPMENT		42AA		MUC: 42AAA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
	R (remove)	31		13	3.467													21	15.399	18.866	0.3443
	N (fix)	55		10	2.667													45	32.998	35.665	0.6508
	H(check ok)	1		1	0.267													0	0	0.267	0.0049
	TOTALS	90		24														66		54.798	1.0000
	OCCURRENCE WEIGHTS				0.2667														0.7333		
OFF EQUIPMENT	N(sent on)	56		27	13.720													29	14.254	27.974	0.4742
	K(check ok	3		3	1.526													0	0	1.526	0.0259
	W (fix)	59		30	15.255													29	14.254	29.509	0.5000
	TOTALS	118		60														58		59.019	1.0001
	OCCURRENCE WEIGHTS				0.5085														0.4915		
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: C-141A/TRAVIS — ON EQUIPMENT		42DA		MUC: 42DAA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
	R	54		48	23.323													6	3.085	26.408	0.3716
	N	79		18	8.746													61	31.360	40.106	0.5644
	H	9		3	1.458													6	3.085	4.543	3.0639
	TOTALS	142		69														73		71.057	0.9999
	OCCURRENCE WEIGHTS				0.4859														0.5141		
OFF EQUIPMENT	N	14		13	9.985													1	0.232	10.217	0.2300
	K	18		18	13.826													0	0	13.826	0.3113
	W	37		22	16.898													15	3.478	20.376	0.4587
	TOTALS	69		53														16		44.419	1.0000
	OCCURRENCE WEIGHTS				0.7681														0.2319		
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD — ON EQUIPMENT		4215		MUC: 4215L		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
	R	32		9	3.072													23	15.150	18.222	0.2628
	N	90		33	11.263													57	37.546	48.809	0.7038
	H	4		1	0.341													3	1.976	2.317	0.0334
	TOTALS	126		43														83		69.348	1.0000
	OCCURRENCE WEIGHTS				0.3413														0.6587		
OFF EQUIPMENT	N	50		21	7.304													29	18.914	26.218	0.5216
	K	2		2	0.696													0	0	0.696	0.0138
	W	40		9	3.130													31	20.218	23.348	0.4645
	TOTALS	92		32														60		50.262	0.9999
	OCCURRENCE WEIGHTS				0.3478														0.6522		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-23 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH		4211	4212	WUC: 4211A		WUC: 4212A		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R (remove)	30	22	10	4.000	13	4.741											29	6.824	15.565	0.2628
	M (fix)	62	53	57	22.800	48	17.506											10	2.353	12.659	0.7203
	N(check ok)	1	2	1	0.400	1	0.365											1	0.235	1.000	0.0169
	TOTALS	93	77	68		62												40		59.224	1.0000
	OCCURRENCE WEIGHTS		170		0.4000		0.3647												0.2353		
OFF EQUIPMENT	N(sent on)	12	9	5	1.065	7	3.338											9	2.792	7.195	0.0451
	K(check ok)	41	49	8	1.704	11	5.246											71	22.024	28.974	0.1818
	W (fix)	114	207	79	16.827	188	89.657											54	16.751	123.235	0.7731
	TOTALS	167	265	92		206												134		159.404	1.0000
	OCCURRENCE WEIGHTS		432		0.2130		0.4769												0.3102		
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH		42A		WUC: 42AC		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R	0		0														0			0
	M	0		0														0			0
	N	0		0														0			0
	TOTALS	0		0														0			0
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	0		0														0			0
	K	0		0														0			0
	W	0		0														0			0
	TOTALS	0		0														0			0
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 42A00 ACFT POWER GENERATING SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		42A		WUC: 42AC		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R	27		0	0													27	25.539	25.539	0.7689
	M	9		2	0.108													7	6.621	6.729	0.2026
	N	1		0	0													1	0.946	0.946	0.0285
	TOTALS	37		2														35		33.214	1.0000
	OCCURRENCE WEIGHTS				0.0541														0.9459		
OFF EQUIPMENT	N	4		0	0													4	3.333	3.333	0.7692
	K	1		0	0													1	0.833	0.833	0.1922
	W	1		1	0.167													0	0	0.167	0.0385
	TOTALS	6		1														5		4.333	0.9999
	OCCURRENCE WEIGHTS				0.1667														0.8333		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-24 SHEET 1

SUBSYSTEM NETWORK / AIRCRAFT/BASE		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		44AA		WUC: 44AAD		WUC: 44AAL		WUC: 44AAZ		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R (remove)	54		0	0	19	8.370	0	0									35	18.543	19.380	0.2681
		M (fix)	113		2	0.024	55	24.228	3	0.054									53	28.079	52.385	0.7246
		M(check ok	1		0	0	0	0	0	0									1	0.530	0.530	0.0073
		TOTALS	168		2		74		3										89		72.295	1.0000
		OCCURRENCE WEIGHTS				0.0119		0.4405		0.0179										0.5298		
	OFF EQUIPMENT	N(sent on)	10		1	0.080	4	2.080	0										5	2.000	4.160	0.3810
		K(check ok	2		0	0	0	0	0										2	0.800	0.800	0.0733
		M (fix)	13		1	0.080	9	4.680	0										3	1.200	5.960	0.5458
		TOTALS	25		2		13		0										10		10.920	1.0001
		OCCURRENCE WEIGHTS				0.0800		0.5200												0.4000		
SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		44AA		WUC: 44AAD		WUC: 44AAL		WUC: 44AAZ		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	50		0	0	14	5.600	1	0.019									35	19.334	24.953	0.5096
		M	55		3	0.086	28	11.200	1	0.019									23	12.705	24.010	0.4904
		H	0		0	0	0	0	0	0									0	0	0	0
		TOTALS	105		3		42		2										58		48.963	1.0000
		OCCURRENCE WEIGHTS				0.0286		0.4000		0.0190										0.5524		
	OFF EQUIPMENT	N	2		0		2	1.000	0										0	0	1.000	0.1000
		K	0		0		0	0	0										0	0	0	0
		M	18		0		8	4.000	0										10	5.000	9.000	0.9000
		TOTALS	20		0		10		0										10		10.000	1.0000
		OCCURRENCE WEIGHTS						0.5000												0.5000		
SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		44AA		WUC: 44AAA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
		R	3		2	1.250													1	0.375	1.625	0.3824
		M	5		3	1.875													2	0.750	2.625	0.6176
		H	0		0	0													0	0	0	0
		TOTALS	8		5														3		4.250	1.0000
		OCCURRENCE WEIGHTS				0.6250														0.3750		
	OFF EQUIPMENT	N	1		1	1.000													0		1.000	0.1111
		K	0		0	0													0		0	0
		M	8		8	8.000													0		8.000	0.8889
		TOTALS	9		9														0		9.000	1.0000
		OCCURRENCE WEIGHTS				1.0000																

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-24 SHEET 2

SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS — AIRCRAFT/BASE: FB-111A/PLATTSBURGH

TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PR
	44AA		MUC: 44AAH		MUC: 44AAJ		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT																				
R (remove)	448		19	0.756	50	4.525											379	329.237	334.568	0.580
N (fix)	305		11	0.438	19	1.739											275	238.892	241.068	0.418
H(check ok)	1		0	0	0	0											1	0.869	0.869	0.001
TOTALS	754		30		69												655		576.505	1.0000
OCCURRENCE WEIGHTS				0.0398		0.0915												0.8687		
OFF EQUIPMENT																				
N(sent on)	56		18	5.697	27	15.722											11	1.114	22.533	0.317
K(check ok	5		2	0.633	2	1.165											1	0.101	1.899	0.026
W (fix)	97		30	9.495	63	36.685											4	0.405	46.585	0.656
TOTALS	158		50		92												16		71.017	1.000
OCCURRENCE WEIGHTS				0.3165		0.5823												0.1013		

SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS — AIRCRAFT/BASE: C-141A/TRAVIS

TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PR
	44AA		MUC: 44AAE		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT																				
R	297		79	14.046													218	179.240	193.286	0.319
N	537		72	12.802													465	382.323	395.125	0.653
H	21		1	0.178													20	16.444	16.622	0.027
TOTALS	855		152														703		605.033	1.000
OCCURRENCE WEIGHTS				0.1778														0.8222		
OFF EQUIPMENT																				
N	1		0	0													1	0.434	0.434	0.003
K	13		6	3.398													7	3.035	6.433	0.044
W	272		156	88.358													116	50.298	138.656	0.952
TOTALS	286		162														124		145.523	1.0000
OCCURRENCE WEIGHTS				0.5664														0.4336		

SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS — AIRCRAFT/BASE: KC-135A/FAIRCHILD

TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PR
	4522		MUC: 45221		MUC: 45222		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT																				
R	0		0		0												0			0
N	0		0		0												0			0
H	0		0		0												0			0
TOTALS	0		0		0												0			0
OCCURRENCE WEIGHTS																				
OFF EQUIPMENT																				
N	0		0		0												0			0
K	0		0		0												0			0
W	0		0		0												0			0
TOTALS	0		0		0												0			0
OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-24 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS AIRCRAFT/BASE: T-38A/RANDOLPH		4411		MUC: 44113		MUC: 44115		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R (remove)	96		25	4.712	12	2.123											59	37.441	44.276	0.3627
	M (fix)	156		24	4.524	33	5.838											99	62.825	73.187	0.5995
	H(check ok)	8		0	0	1	0.177											7	4.442	4.619	0.0378
	TOTALS	260		49		46												165		122.082	1.0000
	OCCURRENCE WEIGHTS				0.1885		0.1769												0.6346		
OFF EQUIPMENT	N(sent on)	29		9	2.123	9	2.123											11	5.810	10.056	0.1321
	K(check ok)	6		4	0.944	0	0											2	1.056	2.000	0.0263
	W (fix)	160		33	7.775	37	8.728											90	47.538	64.051	0.8416
	TOTALS	195		46		46												103		76.107	1.0000
	OCCURRENCE WEIGHTS				0.2359		0.2359												0.5282		
SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS AIRCRAFT/BASE: A-10A/MYRTLE BEACH		44BA		MUC: 44BAA		MUC: 44BAB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R	0		0		0												0			0
	M	0		0		0												0			0
	H	0		0		0												0			0
	TOTALS	0		0		0												0			0
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	0		0		0												0			0
	K	0		0		0												0			0
	W	0		0		0												0			0
	TOTALS	0		0		0												0			0
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 44A01 NAV/ANTI-COLLISION LIGHTS AIRCRAFT/BASE A-10A/DAVIS-MONTHAN		44BA		MUC: 44BAA		MUC: 44BAB		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R	11		4	1.750	2	0.250											5	2.188	4.188	0.6569
	M	5		3	1.312	0	0											2	0.875	2.187	0.3431
	H	0		0	0	0	0											0	0	0	0
	TOTALS	16		7		2												7		6.375	1.0000
	OCCURRENCE WEIGHTS				0.4375		0.1250												0.4375		
OFF EQUIPMENT	N	0		0		0												0			0
	K	0		0		0												0			0
	W	0		0		0												0			0
	TOTALS	0		0		0												0			0
	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-25 SHEET 1

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: F-15A/LUKE		44AA		MUC: 44AAE		MUC: 44AAF		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R (remove)	54		0	0	2	0.083											52	48.594	48.677	0.3309
	N (fix)	113		4	0.095	5	0.208											104	97.188	97.491	0.6627
	H(check ok)	1		0	0	0	0											1	0.934	0.934	0.0063
	TOTALS	168		4		7												157		147.102	0.9999
	OCCURRENCE WEIGHTS				0.0238		0.0417												0.9345		
OFF EQUIPMENT	N (sent on)	10		0		0												10	10.000	10.000	0.4000
	K (check ok	2		0		0												2	2.000	2.000	0.0800
	W (fix)	13		0		0												13	13.000	13.000	0.5200
	TOTALS	25		0		0												25		25.000	1.0000
	OCCURRENCE WEIGHTS																		1.0000		
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: F-15A/BITBURG		44AA		MUC: 44AAE		MUC: 44AAF		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R	50		4	0.228	6	0.571											40	33.904	34.703	0.4523
	N	55		2	0.114	4	0.381											49	41.532	42.027	0.5477
	H	0		0	0	0	0											0	0	0	0
	TOTALS	105		6		10												89		76.730	1.0000
	OCCURRENCE WEIGHTS				0.0571		0.0952												0.8476		
OFF EQUIPMENT	N	2		0		0	0											2	1.900	1.900	0.1050
	K	0		0		0	0											0	0	0	0
	W	18		0		1	0.050											17	16.150	16.200	0.8950
	TOTALS	20		0		1												19		18.100	1.0000
	OCCURRENCE WEIGHTS						0.0500												0.9500		
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: B-52G/FAIRCHILD		44AD	44AE	MUC: 44ADA		MUC: 44AEA		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
ON EQUIPMENT	R	3	2	2	0.830	1	0.189											2	0.792	1.811	0.0936
	N	30	18	20	1.302	9	1.698											19	7.528	17.528	0.9064
	H	0	0	0	0	0	0											0	0	0	0
	TOTALS	33	20	22		10												21		19.339	1.0000
	OCCURRENCE WEIGHTS		53		0.4151		0.1887												0.3962		
OFF EQUIPMENT	N	0	0	0		0	0											0	0	0	0
	K	0	0	0		0	0											0	0	0	0
	W	0	2	0		1	0.500											1	0.500	1.000	1.0000
	TOTALS	0	2	0		1												1		1.000	1.0000
	OCCURRENCE WEIGHTS		2				0.5000											1	0.5000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-25 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		44AA		WUC: 44AAA		WUC: 44AAB		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	448		36	3.150	72	14.227											340	243.066	260.443	0.6193
		N (fix)	305		30	2.625	77	15.215											198	141.550	159.390	0.3790
		N(check ok)	1		0	0	0	0											1	0.715	0.715	0.0017
		TOTALS	754		66		149												539		420.548	1.0000
		OCCURRENCE WEIGHTS				0.0875		0.1976												0.7149		
	OFF EQUIPMENT	N(sent on)	56		5	0.303	1	0.013											50	46.835	47.151	0.3393
		K(check ok	5		0	0	0	0											5	4.684	4.684	0.0337
		W (fix)	97		3	0.152	1	0.013											93	87.113	87.113	0.6269
		TOTALS	158		8		2												148		138.948	0.9999
		OCCURRENCE WEIGHTS				0.0506		0.0127												0.9367		
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		44AA		WUC: 44AAC		WUC: 44AAD		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	297		40	7.344	26	4.805											231	145.900	158.049	0.3960
		M	537		115	21.114	131	24.209											291	183.796	229.119	0.5741
		N	21		2	0.367	1	0.185											18	11.369	11.921	0.0299
		TOTALS	855		157		158												540		399.089	1.0000
		OCCURRENCE WEIGHTS				0.1836		0.1848												0.6316		
	OFF EQUIPMENT	N	1		0	0	0	0											1	0.864	0.864	0.0040
		K	13		1	0.133	0	0											12	10.363	10.496	0.0481
		W	272		37	4.917	1	0.004											234	202.082	207.003	0.9480
		TOTALS	286		38		1												247		218.363	1.0001
		OCCURRENCE WEIGHTS				0.1329		0.0035												0.8636		
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		4421		WUC: 44211		WUC: 44212		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	5		3	1.452	1	0.355											1	0.161	1.968	0.1644
		M	26		12	5.807	10	3.548											4	0.645	10.000	0.8356
		N	0		0	0	0	0											0	0	0	0
		TOTALS	31		15		11												5		11.968	1.0000
		OCCURRENCE WEIGHTS				0.4839		0.3548												0.1613		
	OFF EQUIPMENT	N	0		0		0												0			0
		K	0		0		0												0			0
		W	0		0		0												0			0
		TOTALS	0		0		0												0			0
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-25 SHEET 3

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: T-38A/RANDOLPH	ON EQUIPMENT		4411		MUC: 44114		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R (remove)	96		40	12.924													56	37.906	50.830	0.3475
		N (fix)	156		39	12.601													117	79.197	91.798	0.6276
		N(check ok)	8		5	1.616													3	2.031	3.647	0.0249
		TOTALS	260		84														176		146.275	1.0000
		OCCURRENCE WEIGHTS				0.3231														0.6769		
	OFF EQUIPMENT	N(sent on)	29		11	5.697													18	8.678	14.375	0.1472
		K(check ok	6		2	1.036													4	1.928	2.964	0.0304
		W (fix)	160		88	45.575													72	34.711	80.286	0.8224
		TOTALS	195		101														94		97.625	1.0000
		OCCURRENCE WEIGHTS				0.5179														0.4821		
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: A-10A/MYRTLE BEACH	ON EQUIPMENT		44B		MUC: 44BF		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	0		0														0			0
		N	0		0														0			0
		H	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
	OFF EQUIPMENT	N	0		0														0			0
		K	0		0														0			0
		W	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 44A02 LANDING/TAXI LIGHTS AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN	ON EQUIPMENT		44B		MUC: 44BF		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys	residual		
		R	17		2	0.294													15	12.794	13.088	0.5139
		N	17		3	0.441													14	11.941	12.382	0.4861
		H	0		0	0													0	0	0	0
		TOTALS	34		5														29		25.470	1.0000
		OCCURRENCE WEIGHTS				0.1471														0.8529		
	OFF EQUIPMENT	N	2		0														2	2.000	2.000	1.0000
		K	0		0														0	0	0	0
		W	0		0														0	0	0	0
		TOTALS	2		0														2		2.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-26 SHEET 1

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE		45AE	45BE	WUC: 45AEC		WUC: 45BEC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	8	6	5	1.552	1	0.103											8	4.690	6.345	0.4855
	M (fix)	8	5	4	1.241	2	0.207											7	4.103	5.551	0.4248
	N(check ok)	2	0	0	0	0	0											2	1.172	1.172	0.0897
	TOTALS	15	11	9		3												17		13.068	1.0000
	OCCURRENCE WEIGHTS		29		0.3103		0.1034												0.5862		
OFF EQUIPMENT	N(sent on)	3	5	3	0.900	1	0.100											4	2.400	3.400	0.7391
	K(check ok	0	0	0	0	0	0											0	0	0	0
	W (fix)	2	0	0	0	0	0											2	1.200	1.200	0.2609
	TOTALS	5	5	3		1												6		4.600	1.0000
	OCCURRENCE WEIGHTS		10		0.3000		0.1000												0.6000		
SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG		45AE	45BE	WUC: 45AEC		WUC: 45BEC		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	0	0	0		0	0											0	0	0	0
	M	1	4	0		0	0											5	4.166	4.166	0.9615
	N	0	1	0		1	0.167											0	0	0.167	0.0385
	TOTALS	1	5	0		1												5		4.333	1.0000
	OCCURRENCE WEIGHTS		6				0.1667												0.8333		
OFF EQUIPMENT	N	0	0	0		0												0			0
	K	0	0	0		0												0			0
	W	0	0	0		0												0			0
	TOTALS	0	0	0		0												0			0
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD		45CB	45CC	WUC: 45CBN		WUC: 45CCJ		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	25	53	10	2.050	16	4.835											32	15.770	22.655	0.2166
	M	67	82	26	5.330	46	13.901											77	37.946	57.177	0.5467
	N	35	36	21	4.305	22	6.648											28	13.798	24.751	0.2367
	TOTALS	127	151	57		84												137		104.583	1.0000
	OCCURRENCE WEIGHTS		278		0.2050		0.3022												0.4928		
OFF EQUIPMENT	N	8	18	5	1.120	12	4.120											9	3.895	9.135	0.3837
	K	2	3	2	0.448	3	1.030											0	0	1.478	0.0621
	W	20	16	8	1.791	8	2.746											20	8.656	13.193	0.5542
	TOTALS	30	37	15		23												29		21.806	1.0000
	OCCURRENCE WEIGHTS		67		0.2239		0.3433												0.4328		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-26 SHEET 2

SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM
AIRCRAFT/BASE: FB-111A/PLATTSBURGH

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		45AA		WUC: 45AAA		WUC: 45AAW		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R (remove)	18		14	2.262	11	1.309											63	45.322	45.893	0.1491
	M (fix)	350		49	7.918	42	4.998											259	186.325	199.241	0.6075
	N(check ok)	152		32	5.171	17	2.023											101	72.659	79.853	0.2435
	TOTALS	588		95		70												423		327.987	1.0001
	OCCURRENCE WEIGHTS				0.1616		0.1190												0.7194		
OFF EQUIPMENT	M (sent on)	41		9	2.000	9	1.857											23	13.142	16.999	0.6449
	K (check ok)	1		0	0	0	0											1	0.571	0.571	0.0217
	W (fix)	21		5	1.111	4	0.825											12	6.857	8.793	0.3335
	TOTALS	63		14		13												36		26.363	1.0000
	OCCURRENCE WEIGHTS				0.2222		0.2063												0.5714		

SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM
AIRCRAFT/BASE: C-141A/TRAVIS

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		45AC	45BC	WUC: 45ACA		WUC: 45BCA		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	9	12	4	0.596	1	0.128											16	11.574	12.298	0.2329
	M	34	36	10	1.489	11	1.405											49	35.447	38.341	0.7260
	N	2	1	0	0	0	0											3	2.170	2.170	0.0411
	TOTALS	45	49	14		12												68		52.809	1.0000
	OCCURRENCE WEIGHTS		94		0.1489		0.1277												0.7234		
OFF EQUIPMENT	M	17	8	16	8.363	0												9	4.796	12.659	0.5742
	K	7	0	7	3.659	0												0	0	3.659	0.1660
	W	4	8	0	0	0												12	5.728	5.728	0.2598
	TOTALS	28	16	23		0												21		22.046	1.0000
	OCCURRENCE WEIGHTS		44		0.5227														0.4773		

SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM
AIRCRAFT/BASE: KC-135A/FAIRCHILD

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
		4511		WUC: 4511B		WUC: 4511E		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
ON EQUIPMENT	R	34		10	0.985	15	6.022											9	4.500	11.507	0.1036
	M	182		11	1.084	75	30.112											96	48.000	79.196	0.7127
	N	48		5	0.492	16	6.424											27	13.500	20.416	0.1837
	TOTALS	264		26		106												132		111.119	1.0000
	OCCURRENCE WEIGHTS				0.0985		0.4015												0.5000		
OFF EQUIPMENT	M	22		11	7.427	8	1.376											3	0.459	9.262	0.1157
	K	100		93	62.794	7	1.204											0	0	63.998	0.8011
	W	35		2	1.350	12	2.064											21	3.211	6.625	0.0829
	TOTALS	157		106		27												24		79.885	0.9999
	OCCURRENCE WEIGHTS				0.6752		0.1720												0.1529		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-26 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH		4512		WUC: 45121		WUC: 45122		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R (remove)	34		11	3.362	8	1.889											15	6.874	18.125	0.4689
	M (fix)	29		6	1.834	6	1.417											17	7.791	11.042	0.4270
	W(check ok)	9		5	1.528	3	0.708											1	0.458	2.694	0.1042
	TOTALS	72		22		17												33		25.861	1.0001
	OCCURRENCE WEIGHTS				0.3056		0.2361												0.4583		
OFF EQUIPMENT	N (sent on)	64		41	28.384	23	2.077											0		35.461	0.2640
	K(check ok)	164		117	80.999	47	14.462											0		95.461	0.7108
	W (fix)	6		4	2.769	2	0.615											0		3.384	0.0252
	TOTALS	234		162		72												0		134.306	1.0000
	OCCURRENCE WEIGHTS				0.6923		0.3077														
SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH		45AA	45BA	WUC: 45AAA		WUC: 45BAA		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R	0	0	0		0												0			0
	M	0	0	0		0												0			0
	W	0	0	0		0												0			0
	TOTALS	0	0	0		0												0			0
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	0	0	0		0												0			0
	K	0	0	0		0												0			0
	W	0	0	0		0												0			0
	TOTALS	0	0	0		0												0			0
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 45A00 HYD POWER CONTROL SUBSYSTEM AIRCRAFT/BASE A-10A/DAVIS-MONTHAN		45AA	45BA	WUC: 45AAA		WUC: 45BAA		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
ON EQUIPMENT	R	2	5	1	0.125	4	1.500											2	1.000	2.625	0.4038
	M	4	2	1	0.125	1	0.375											4	2.000	2.500	0.3846
	W	2	1	0	0	1	0.375											2	1.000	1.375	0.2115
	TOTALS	8	8	2		6												8		6.500	0.9999
	OCCURRENCE WEIGHTS		16		0.1250		0.3750												0.5000		
OFF EQUIPMENT	N	0	5	0		4	3.200											1	0.200	3.400	1.0000
	K	0	0	0		0	0											0	0	0	0
	W	0	0	0		0	0											0	0	0	0
	TOTALS	0	5	0		4												1		3.400	1.0000
	OCCURRENCE WEIGHTS		5				0.8000												0.2000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-27 SHEET 1

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: F-15A/LUKE		11KG	11KK	46A		MUC: 11KGA		MUC: 11KKA		MUC: 46AE		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R (remove)	1	1	62		0	0	0	0	5	0.344							59	44.085	44.474	0.4310
	N (fix)	23	26	42		14	1.102	17	1.624	9	0.708							51	38.107	41.541	0.4025
	H(check ok)	0	0	23		0	0	0	0	0	0							23	17.186	17.186	0.1665
	TOTALS	24	27	127		14		17		14								133		103.206	1.0000
	OCCURRENCE WEIGHTS			175			0.0787		0.0955		0.0787								0.7472		
OFF EQUIPMENT	N(sent on)	0	0	62		0		0	0	3	0.136							59	55.425	55.561	0.9515
	K(check ok	0	0	0		0		0	0	0	0							0	0	0	0
	W (fix)	0	1	3		0		1	0.015	0	0							3	2.818	2.833	0.0485
	TOTALS	0	1	65		0		1		3								62		58.394	1.0000
	OCCURRENCE WEIGHTS			66					0.0152		0.0455								0.9844		
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: F-15A/BITBURG		11KG	11KK	46A		MUC: 11KGA		MUC: 11KKA		MUC: 46AE		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	2	0	29		0	0	0	0	3	0.169							28	15.730	15.899	0.2277
	N	40	37	27		33	6.303	33	6.303	7	0.393							31	17.416	30.415	0.4356
	H	1	2	40		1	0.191	1	0.191	0	0							41	23.034	23.516	0.3368
	TOTALS	43	39	96		34		34		10								100		69.830	1.0001
	OCCURRENCE WEIGHTS			178			0.1910		0.1910		0.0562								0.5618		
OFF EQUIPMENT	N	1	0	18		0		0	0	0								19	18.344	18.344	0.6777
	K	0	0	0		0		0	0	0								0	0	0	0
	W	0	2	8		0		1	0.034	0								9	8.690	8.724	0.3223
	TOTALS	1	2	26		0		1		0								28		27.068	1.0000
	OCCURRENCE WEIGHTS			29					0.0345										0.9655		
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: B-52G/FAIRCHILD		46FA	46FB	46FC		MUC: 46FAA		MUC: 46FBA		MUC: 46FCA		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	5	0	0		4	2.750	0	0	0	0							1	0.219	2.969	0.1766
	N	15	3	1		13	8.938	2	0.125	0	0							4	0.875	9.938	0.5911
	H	7	0	1		5	3.438	0	0	1	0.031							2	0.438	3.907	0.2324
	TOTALS	27	3	2		22		2		1								7		16.814	1.0001
	OCCURRENCE WEIGHTS			32			0.6875		0.0625		0.0312								0.2188		
OFF EQUIPMENT	N	1	0	0		1	1.000	0		0								0		1.000	1.0000
	K	0	0	0		0	0	0		0								0		0	0
	W	0	0	0		0	0	0		0								0		0	0
	TOTALS	1	0	0		1		0		0								0		1.000	1.0000
	OCCURRENCE WEIGHTS			1			1.0000														

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-27 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		46HA				WUC: 46HAE		WUC: 46HAF		WUC: 46HAG		WUC: 46HAH		WUC:		WUC:		subsys residual			
		R (remove)	3				1	0.196	1	0.257	0	0	0	0					1	0.022	0.475	0.0109
		M (fix)	173				33	6.452	44	11.308	43	10.329	57	14.530					2	0.045	42.664	0.9782
		H(check ok)	3				1	0.196	1	0.257	0	0	0	0					1	0.022	0.475	0.0109
		TOTALS	179				35		46		43		57						4		43.614	1.0000
		OCCURRENCE WEIGHTS						0.1955		0.2570		0.2402		0.2849						0.0223		
	OFF EQUIPMENT	N(sent on)	1				0		0		0		1	0.500					0	0	0.500	0.5000
		K(check ok	0				0		0		0		0	0					0	0	0	0
		W (fix)	1				0		0		0		0	0					1	0.500	0.500	0.5000
		TOTALS	2				0		0		0		1						1		1.000	1.0000
		OCCURRENCE WEIGHTS												0.5000						0.5000		
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		46AA				WUC: 46AAJ		WUC: 46AAK		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	8				1	0.196	0	0									7	4.829	5.025	0.0184
		M	482				96	18.864	55	6.254									331	228.324	253.442	0.9260
		H	29				5	0.982	4	0.455									20	13.796	15.233	0.0557
		TOTALS	519				102		59										358		273.700	1.0001
		OCCURRENCE WEIGHTS						0.1965		0.1137										0.6898		
	OFF EQUIPMENT	N	0				0	0	0										0		0	0
		K	0				0	0	0										0		0	0
		W	1				1	1.000	0										0		1.000	1.0000
		TOTALS	1				1		0										0		1.000	1.0000
		OCCURRENCE WEIGHTS						1.0000														
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		461	462	463		WUC: 46130		WUC: 46170		WUC: 46210		WUC: 46240		WUC: 46310		WUC: 46340		subsys residual			
		R	8	4	4		1	0.037	0	0	1	0.215	1	0.065	0	0	1	0.103	15	5.745	6.168	0.2484
		M	28	25	16		2	0.075	13	1.823	15	3.225	6	0.392	2	0.112	8	0.822	23	8.814	15.263	0.6146
		H	5	9	5		1	0.037	2	0.280	7	1.505	0	0	4	0.224	2	0.206	3	1.150	3.402	0.1370
		TOTALS	41	41	25		4		15		23		7		6		11		41		24.833	1.0000
		OCCURRENCE WEIGHTS			107			0.0374		0.1402		0.2150		0.0654		0.0561		0.1028		0.3832		
	OFF EQUIPMENT	N	2	1	1		0		0		0		0		0		0		4	4.000	4.000	1.0000
		K	0	0	0		0		0		0		0		0		0		0	0	0	0
		W	0	0	0		0		0		0		0		0		0		0	0	0	0
		TOTALS	2	1	1		0		0		0		0		0		0		4		4.000	1.0000
		OCCURRENCE WEIGHTS			4															1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-27 SHEET 3

SUBSYSTEM / AIRCRAFT	EQUIPMENT	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: T-38A/RANDOLPH			4612				MUC: 46123		MUC: 46124		MUC: 46125		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R (remove)	6				4	1.714	0		0								2	1.143	2.857	0.4000
		M (fix)	7				2	0.857	0		0								5	2.857	3.714	0.5200
		H(check ok)	1				0	0	0		0								1	0.571	0.571	0.0799
		TOTALS	14				6		0		0								8		7.142	0.9999
		OCCURRENCE WEIGHTS						0.4286												0.5714		
	OFF EQUIPMENT	N (sent on)	10				3	0.938	1	0.062	0	0							6	3.375	4.375	0.6481
		K (check ok	6				2	0.625	0	0	1	0.062							3	1.688	2.375	0.3519
		W (fix)	0				0	0	0	0	0	0							0	0	0	0
		TOTALS	16				5		1		1								9		6.750	1.0000
		OCCURRENCE WEIGHTS						0.3125		0.0625										0.5625		
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: A-10A/MYRTLE BEACH			46A				MUC: 46AC		MUC: 46AD		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	0				0		0	0									0	0	0	0
		M	2				0		1	0.500									1	0.500	1.000	1.0000
		H	0				0		0	0									0	0	0	0
		TOTALS	2				0		1										1		1.000	1.0000
		OCCURRENCE WEIGHTS								0.5000										0.5000		
	OFF EQUIPMENT	N	0				0		0										0			0
		K	0				0		0										0			0
		W	0				0		0										0			0
		TOTALS	0				0		0										0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 46A00 INTERNAL FUEL SUBSYSTEM AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN			46A				MUC: 46AC		MUC: 46AD		MUC:		MUC:		MUC:		MUC:		subsys residual			
	ON EQUIPMENT	R	1				0	0	0	0									1	0.556	0.556	0.1726
		M	6				1	0.111	5	0.333									2	1.111	1.555	0.4826
		H	2				0	0	0	0									2	1.111	1.111	0.3448
		TOTALS	9				1		3										5		3.222	1.0000
		OCCURRENCE WEIGHTS						0.1111		0.3333										0.5556		
	OFF EQUIPMENT	N	0				0		0										0			0
		K	0				0		0										0			0
		W	0				0		0										0			0
		TOTALS	0				0		0										0			0
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-28 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		47AA		WUC: 47AAH		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	22		9	3.334													13	8.185	11.519	0.7995
		N (fix)	5		1	0.370													4	2.518	2.888	0.2005
		N(check ok)	0		0	0													0	0	0	0
		TOTALS	27		10														17		14.407	1.0000
		OCCURRENCE WEIGHTS				0.3704														0.6296		
	OFF EQUIPMENT	N(sent on)	15		9	3.857													6	3.428	7.285	0.6800
		K(check ok)	1		0	0													1	0.571	0.571	0.0533
		W (fix)	5		0	0													5	2.857	2.857	0.2667
		TOTALS	21		9														12		10.713	1.0000
		OCCURRENCE WEIGHTS				0.4286														0.5714		
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		4AA		WUC: 47AAH		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	46		25	11.362													21	11.456	22.818	0.8229
		N	5		0	0													5	2.728	2.728	0.0984
		H	4		0	0													4	2.182	2.182	0.0787
		TOTALS	55		25														30		27.728	1.0000
		OCCURRENCE WEIGHTS				0.4545														0.5455		
	OFF EQUIPMENT	N	43		25	12.745													18	8.824	21.569	0.8455
		K	1		1	0.510													0	0	0.510	0.0200
		W	7		0	0													7	3.431	3.431	0.1345
		TOTALS	51		26														25		25.510	1.0000
		OCCURRENCE WEIGHTS				0.5098														0.4902		
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		47AC		WUC: 47ACA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	43		28	17.899													15	5.416	23.305	0.6010
		N	13		7	4.472													6	2.167	6.639	0.1712
		H	16		11	7.028													5	1.806	8.834	0.2278
		TOTALS	72		46														26		38.778	1.0000
		OCCURRENCE WEIGHTS				0.6389														0.3611		
	OFF EQUIPMENT	N	26		25	24.108													1	0.036	24.144	0.926[illegible]
		K	1		1	0.964													0	0	0.964	0.0370
		W	1		1	0.964													0	0	0.964	0.0370
		TOTALS	28		27														1		26.072	1.000
		OCCURRENCE WEIGHTS				0.9643														0.0357		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-28 SHEET 2

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: FB-111A/PLATTSBURGH			47AA		WUC: 47AAC		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R (remove)	79		36	14.523													43	19.681	39.204	0.3873
		M (fix)	118		73	39.588													45	20.596	60.184	0.5946
		H(check ok)	4		0	0													4	1.831	1.831	0.0181
		TOTALS	201		109														92		121.219	1.0000
		OCCURRENCE WEIGHTS				0.5423														0.4577		
	OFF EQUIPMENT	N(sent on)	14		6	2.572													8	4.571	7.143	1.0000
		K(check ok)	0		0	0													0	0	0	0
		W (fix)	0		0	0													0	0	0	0
		TOTALS	14		6														8		7.143	1.0000
		OCCURRENCE WEIGHTS				0.4286														0.5714		
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: C-141A/TRAVIS			47AA		WUC: 47AAG		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	130		31	9.883													99	67.439	77.322	0.4587
		M	139		56	17.853													83	56.540	74.393	0.4413
		H	29		8	2.550													21	14.305	16.855	0.1000
		TOTALS	298		95														203		168.570	1.0000
		OCCURRENCE WEIGHTS				0.3188														0.6812		
	OFF EQUIPMENT	N	27		19	13.300													8	2.400	15.700	0.9023
		K	2		1	0.700													1	0.300	1.000	0.0575
		W	1		1	0.700													0	0	0.700	0.0402
		TOTALS	30		21														9		17.400	1.0000
		OCCURRENCE WEIGHTS				0.7000														0.3000		
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: KC-135A/FAIRCHILD			4713		WUC: 47131		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
	ON EQUIPMENT	R	46		34	23.239													12	3.798	27.037	0.6032
		M	23		14	9.569													9	2.848	12.417	0.2770
		H	10		6	4.101													4	1.266	5.367	0.1197
		TOTALS	79		54														25		44.821	0.9999
		OCCURRENCE WEIGHTS				0.6835														0.3165		
	OFF EQUIPMENT	N	37		33	29.525													4	0.421	29.946	0.9710
		K	1		1	0.895													0	0	0.895	0.0290
		W	0		0	0													0	0	0	0
		TOTALS	38		34														4		30.841	1.0000
		OCCURRENCE WEIGHTS				0.8947														0.1053		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-28 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: T-38A/RANDOLPH		4711		MUC: 47115		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R (remove)	202		61	18.178													141	98.982	117.160	0.7900
	N (fix)	53		15	4.470													38	26.676	31.146	0.2100
	H(check ok)	0		0	0													0	0	0	0
	TOTALS	255		76														179		148.306	
	OCCURRENCE WEIGHTS				0.2980														0.7020		
OFF EQUIPMENT	N(sent on)	153		121	96.014													32	6.608	102.622	0.9848
	K(check ok	2		2	1.587													0	0	1.587	0.0152
	W (fix)	0		0														0	0	0	0
	TOTALS	155		123														32		104.209	1.0000
	OCCURRENCE WEIGHTS				0.7935														0.2065		
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: A-10A/MYRTLE BEACH		47AB		MUC: 47ABA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	1		1	1.000													0		1.000	1.0000
	N	0		0	0													0		0	0
	H	0		0	0													0		0	0
	TOTALS	1		1														0		1.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																
OFF EQUIPMENT	N	1		1	1.000													0		1.000	1.0000
	K	0		0	0													0		0	0
	W	0		0	0													0		0	0
	TOTALS	1		1														0		1.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																
SUBSYSTEM NETWORK: 47A01 OXYGEN REGULATOR AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		47AB		MUC: 47ABA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	4		4	3.600													0	0	3.600	0.4390
	N	3		3	2.700													0	0	2.700	0.3293
	H	3		2	1.800													1	0.100	1.900	0.2317
	TOTALS	10		9														1		8.200	1.0000
	OCCURRENCE WEIGHTS				0.9000														0.1000		
OFF EQUIPMENT	N	2		2	2.000													0		2.000	1.0000
	K	0		0	0													0		0	0
	W	0		0	0													0		0	0
	TOTALS	2		2														0		2.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-29 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: F-15A/LUKE			47AA		WUC: 47AAX		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R (remove)	22		3	0.445													19	16.176	16.681	0.8238
		M (fix)	5		1	0.148													4	3.408	3.556	0.1762
		H(check ok)	0		0	0													0	0	0	0
		TOTALS	27		4														23		20.187	1.0000
		OCCURRENCE WEIGHTS				0.1481														0.8519		
	OFF EQUIPMENT	N(sent on)	15		5	2.619													10	4.762	7.381	0.7013
		K(check ok)	1		1	0.524													0	0	0.524	0.0498
		W (fix)	5		5	2.619													0	0	2.619	0.2489
		TOTALS	21		11														10		10.524	1.0000
		OCCURRENCE WEIGHTS				0.5238														0.4762		
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: F-15A/BITBURG			47AA		WUC: 47AAX		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	46		8	1.454													38	31.092	32.546	0.8423
		M	5		2	0.364													3	2.455	2.819	0.0730
		H	4		0	0													4	3.273	3.273	0.0847
		TOTALS	55		10														45		38.638	1.0000
		OCCURRENCE WEIGHTS				0.1818														0.8182		
	OFF EQUIPMENT	N	43		11	3.882													32	20.707	24.589	0.8875
		K	1		0	0													1	0.647	0.647	0.0234
		W	7		7	2.470													0	0	2.470	0.0892
		TOTALS	51		18														33		27.706	1.0001
		OCCURRENCE WEIGHTS				0.3529														0.6471		
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: B-52G/FAIRCHILD			47AA		WUC: 47AAA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys	residual		
	ON EQUIPMENT	R	54		31	21.567													23	6.999	28.566	0.4308
		M	33		25	17.392													8	2.434	19.826	0.2990
		H	28		24	16.697													4	1.217	17.914	0.2702
		TOTALS	115		80														35		66.306	1.0000
		OCCURRENCE WEIGHTS				0.6957														0.3043		
	OFF EQUIPMENT	N	33		32	30.317													1	0.053	30.370	0.8877
		K	0		0	0													0	0	0	0
		W	5		4	3.790													1	0.053	3.843	0.1123
		TOTALS	38		36														2		34.213	1.0000
		OCCURRENCE WEIGHTS				0.9474														0.0526		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-29 SHEET 2

Subsystem / Equipment	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: FB-111A/PLATTSBURGH — ON EQUIPMENT		47AA		MUC: 47AAA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	R (remove)	79		22	3.392													57	48.211	51.603	0.3473
	M (fix)	118		8	1.234													110	43.038	44.272	0.6345
	M(check ok)	4		1	0.154													3	2.537	2.691	0.0181
	TOTALS	201		31														170		148.566	0.9999
	OCCURRENCE WEIGHTS				0.1542														0.8458		
OFF EQUIPMENT	N(sent on)	14		7	3.500													7	3.500	7.000	1.0000
	K(check ok	0		0	0													0	0	0	0
	M (fix)	0		0	0													0	0	0	0
	TOTALS	14		7														7		7.000	1.0000
	OCCURRENCE WEIGHTS				0.5000														0.5000		
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: C-141A/TRAVIS — ON EQUIPMENT		47AA		MUC: 47AAA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	R	130		4	0.201													126	119.662	119.863	0.4447
	M	139		7	0.352													132	125.360	125.712	0.4664
	M	29		4	0.201													25	23.742	23.943	0.0888
	TOTALS	298		15														283		269.518	0.9999
	OCCURRENCE WEIGHTS				0.0503														0.9497		
OFF EQUIPMENT	N	27		2	0.250													25	21.875	22.125	0.8850
	K	2		0	0													2	1.750	1.750	0.0700
	M	3		2	0.250													1	0.875	1.125	0.0450
	TOTALS	32		4														28		25.000	1.0000
	OCCURRENCE WEIGHTS				0.1250														0.8750		
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: KC-135A/FAIRCHILD — ON EQUIPMENT		4711		MUC: 47111		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	R	4		4	2.667													0		2.667	0.2667
	M	10		6	4.000													4	1.333	5.333	0.5330
	M	4		2	1.333													2	0.667	2.000	0.2000
	TOTALS	18		12														6		10.000	1.0000
	OCCURRENCE WEIGHTS				0.6667														0.3333		
OFF EQUIPMENT	N	5		5	5.000													0		5.000	0.8333
	K	0		0	0													0		0	0
	M	1		1	1.000													0		1.000	0.1667
	TOTALS	6		6														0		6.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-29 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: T-38A/RANDOLPH																					
ON EQUIPMENT		4711		MUC: 47111		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	R (remove)	202		28	4.942													174	143.289	148.231	0.8195
	M (fix)	53		17	3.000													36	29.646	32.646	0.1805
	N(check ok)	0		0	0													0	0	0	0
	TOTALS	255		45														210		180.877	1.0000
	OCCURRENCE WEIGHTS				0.1765														0.8235		
OFF EQUIPMENT	N(sent on)	153		31	6.200													122	97.600	103.800	0.9848
	K(check ok)	2		0	0													2	1.600	1.600	0.0152
	M (fix)	0		0	0													0	0	0	0
	TOTALS	155		31														124		105.400	1.0000
	OCCURRENCE WEIGHTS				0.2000														0.8000		
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: A-10A/MYRTLE BEACH																					
ON EQUIPMENT		47AA		MUC: 47AA0		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	R	0		0														0			0
	M	0		0														0			0
	N	0		0														0			0
	TOTALS	0		0														0			0
	OCCURRENCE WEIGHTS																				
OFF EQUIPMENT	N	0		0	0													0		0	0
	K	3		3	3.000													0		3.000	1.0000
	M	0		0	0													0		0	0
	TOTALS	3		3														0		3.000	1.0000
	OCCURRENCE WEIGHTS				1.0000																
SUBSYSTEM NETWORK: 47A02 LOX CONVERTER AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN																					
ON EQUIPMENT		47AA		MUC: 47AA0		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
	R	2		1	0.400													1	0.600	1.000	0.3846
	M	3		1	0.400													2	1.200	1.600	0.6154
	N	0		0	0													0	0	0	0
	TOTALS	5		2														3		2.600	1.0000
	OCCURRENCE WEIGHTS				0.4000														0.6000		
OFF EQUIPMENT	N	0		0														0			0
	K	0		0														0			0
	M	0		0														0			0
	TOTALS	0		0														0			0
	OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-30 SHEET 1

		TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: F-15A/LUKE	ON EQUIPMENT		49A		MUC: 49AA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R (remove)	16		5	1.334													11	8.066	9.400	0.5196
		M (fix)	9		2	0.533													7	5.133	5.666	0.3102
		N(check ok)	5		1	0.267													4	2.933	3.200	0.1752
		TOTALS	30		8														22		18.266	1.0000
		OCCURRENCE WEIGHTS				0.2667														0.7333		
	OFF EQUIPMENT	N(sent on)	8		3	1.333													5	2.778	4.111	0.9025
		K(check ok	1		1	0.444													0	0	0.444	0.0975
		W (fix)	0		0	0													0	0	0	0
		TOTALS	9		4														5		4.555	1.0000
		OCCURRENCE WEIGHTS				0.4444														0.5556		
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: F-15A/BITBURG	ON EQUIPMENT		49A		MUC: 49AA		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R	11		8	4.190													3	1.429	5.619	0.5340
		M	9		3	1.571													6	2.857	4.428	0.4208
		N	1		0	0													1	0.476	0.476	0.0452
		TOTALS	21		11														10		10.523	1.0000
		OCCURRENCE WEIGHTS				0.5238														0.4762		
	OFF EQUIPMENT	N	5		4	3.333													1	0.167	3.500	0.8078
		K	1		1	0.833													0	0	0.833	0.1922
		W	0		0	0													0	0	0	0
		TOTALS	6		5														1		4.333	1.0000
		OCCURRENCE WEIGHTS				0.8333														0.1667		
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: B-52G/FAIRCHILD	ON EQUIPMENT		49BA		MUC: 49BAD		MUC:		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
		R	1		0	0													1	0.069	0.069	0.0027
		M	27		27	25.137													0	0	25.137	0.9945
		N	1		0	0													1	0.069	0.069	0.0027
		TOTALS	29		27																25.275	0.9999
		OCCURRENCE WEIGHTS				0.9310														0.0690		
	OFF EQUIPMENT	N	0		0														0		0	0
		K	0		0														0		0	0
		W	0		0														0		0	0
		TOTALS	0		0														0		0	0
		OCCURRENCE WEIGHTS																				

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-30 SHEET 2

SUBSYSTEM NETWORK / AIRCRAFT/BASE		TASK CODE	SUBSYSTEM TASK TOTALS WUC:	SUBSYSTEM TASK TOTALS WUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: FB-111A/PLATTSBURGH	ON EQUIPMENT		49AA		WUC: 49AAA		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R (remove)	40		36	32.123													4	0.431	32.554	0.6200
		N (fix)	23		20	17.846													3	0.323	18.169	0.3460
		H(check ok)	2		2	1.785													0	0	1.785	0.0340
		TOTALS	65		58														7		52.508	1.0000
		OCCURRENCE WEIGHTS				0.8923														0.1077		
	OFF EQUIPMENT	N(sent on)	0		0														0			0
		K(check ok)	0		0														0			0
		W (fix)	0		0														0			0
		TOTALS	0		0														0			0
		OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: C-141A/TRAVIS	ON EQUIPMENT		49FA		WUC: 49FAB		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	61		44	26.193													17	6.880	33.073	0.2484
		N	175		107	63.697													68	27.520	91.217	0.6850
		H	21		2	1.191													19	7.689	8.880	0.0667
		TOTALS	257		153														104		133.170	1.0001
		OCCURRENCE WEIGHTS				0.5953														0.4047		
	OFF EQUIPMENT	N	7		0														7	7.000	7.000	0.3889
		K	0		0														0	0	0	0
		W	11		0														11	11.000	11.000	0.6111
		TOTALS	18		0														18		18.000	1.0000
		OCCURRENCE WEIGHTS																		1.0000		
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: KC-135A/FAIRCHILD	ON EQUIPMENT		4942		WUC: 49421		WUC:		WUC:		WUC:		WUC:		WUC:		WUC:		subsys residual			
		R	38		37	22.348													1	0.376	22.744	0.2926
		N	111		53	32.012													58	22.968	54.980	0.7074
		H	0		0	0													0	0	0	0
		TOTALS	149		90														59		77.724	1.0000
		OCCURRENCE WEIGHTS				0.6040														0.3960		
	OFF EQUIPMENT	N	0		0	0													0	0	0	0
		K	0		0	0													0	0	0	0
		W	13		3	0.692													10	7.692	8.384	1.0000
		TOTALS	13		3														10		8.384	1.0000
		OCCURRENCE WEIGHTS				0.2308														0.7692		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

TABLE E-30 SHEET 3

	TASK CODE	SUBSYSTEM TASK TOTALS MUC:	MUC:	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	ACTUAL TASKS	WEIGHTED TASKS	WEIGHTED TASK TOTALS	WEIGHTED AVERAGE TASK PROB
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: T-38A/RANDOLPH		4911		MUC: 4911E		MUC: 4911F		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R (remove)	11		4	1.130	5	0.978											2	1.043	3.151	0.1755
	N (fix)	34		9	2.543	4	0.783											21	10.956	14.282	0.7955
	N(check ok	1		0	0	0	0											1	0.522	0.522	0.0291
	TOTALS	46		13		9														17.953	1.0001
	OCCURRENCE WEIGHTS				0.2826		0.1957												0.5217		
OFF EQUIPMENT	N(sent on)	1		0		1	0.333											0	0	0.333	0.1999
	K(check ok	2		0		0	0											2	1.333	1.333	0.8001
	W (fix)	0		0		0	0											0	0	0	0
	TOTALS	3		0		1												2		1.666	1.0000
	OCCURRENCE WEIGHTS						0.3333												0.6667		
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: A-10A/MYRTLE BEACH		49AA		MUC: 49AAB		MUC: 49AAC		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	1		1	1.000	0	0											0	0	1.000	0.5000
	N	1		1	1.000	0	0											0	0	1.000	0.5000
	N	0		0	0	0	0											0	0	0	0
	TOTALS	2		2		0												0		2.000	1.0000
	OCCURRENCE WEIGHTS				1.0000		0												0		
OFF EQUIPMENT	N	0		0		0												0		0	0
	K	0		0		0												0		0	0
	W	0		0		0												0		0	0
	TOTALS	0		0		0												0		0	0
	OCCURRENCE WEIGHTS																				
SUBSYSTEM NETWORK: 49A00 OVERHEAT/FIRE DETEC & EXT AIRCRAFT/BASE: A-10A/DAVIS-MONTHAN		49AA		MUC: 49AAB		MUC: 49AAC		MUC:		MUC:		MUC:		MUC:		MUC:		subsys residual			
ON EQUIPMENT	R	1		0	0	0	0											1	0.750	0.750	0.1500
	N	6		2	0.500	0	0											4	3.000	3.500	0.7000
	N	1		0	0	0	0											1	0.750	0.750	0.1500
	TOTALS	8		2		0												6		5.000	1.0000
	OCCURRENCE WEIGHTS				0.2500		0												0.7500		
OFF EQUIPMENT	N	1		0	0	0	0											1	1.000	1.000	1.0000
	K	0		0	0	0	0											0	0	0	0
	W	0		0	0	0	0											0	0	0	0
	TOTALS	1		0		0												1		1.000	1.0000
	OCCURRENCE WEIGHTS				0		0												1.0000		

NOTES: OCCURRENCE WEIGHT= ACTUAL TASKS TOTAL/ SUBSYSTEM TOTAL TASKS TOTAL.
WEIGHTED TASKS= ACTUAL TASKS* OCCURRENCE WEIGHT.
SUBSYSTEM RESIDUAL ACTUAL TASKS= SUBSYSTEM TOTAL TASKS- SUM OF STUDY EQUIPMENT ACTUAL TASKS.
WEIGHTED AVERAGE TASK PROBABILITIES= WEIGHTED TASK TOTALS/ WEIGHTED TASK TOTALS TOTAL.

TASK PROBABILITY DATA SHEET

APPENDIX F

MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

TABLE F-1 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 2300 PROPULSION

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.660	0.277	0.063	0.760	0.026	0.214
	F-15A BITBURG	0.287	0.301	0.412	0.679	0.061	0.260
	B-52G FAIRCHILD	0.109	0.873	0.018	0.514	0.170	0.316
	FB-111A PLATTSBURGH	0.221	0.561	0.218	0.184	0.106	0.710
	C-141A TRAVIS	0.310	0.650	0.040	0.423	0.109	0.468
	KC-135A FAIRCHILD	0.115	0.797	0.088	0.676	0.128	0.196
	T-38A RANDOLPH	0.508	0.304	0.188	0.162	0.471	0.367
	A-10A MYRTLE BEACH	0.500	0.500	0	0	0	1.000
	A-10A DAVIS-MONTHAN	0.342	0.563	0.095	0.091	0.175	0.734
MEAN		0.339	0.536	0.125	0.388	0.138	0.474
MEDIAN		0.385	0.575	0.206	0.380	0.236	0.598
MODE		0.364	0.575	0.068	0.551	0.138	0.332
MODAL CLASS LOW		0.221	0.500	0.040	0.423	0.106	0.196
MODAL CLASS HIGH		0.508	0.650	0.095	0.679	0.170	0.468
RANGE		0.551	0.596	0.412	0.760	0.471	0.804
STANDARD DEVIATION		0.186	0.216	0.130	0.286	0.138	0.280

TABLE F-2 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 51A00 FLIGHT INDICATORS

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.672	0.148	0.180	0.669	0.293	0.038
	F-15A BITBURG	0.660	0.189	0.151	0.711	0.256	0.033
	B-52G FAIRCHILD	0.634	0.334	0.032	0.944	0.045	0.011
	FB-111A PLATTSBURGH	0.704	0.172	0.124	0.785	0.164	0.051
	C-141A TRAVIS	0.526	0.362	0.112	0.559	0.124	0.317
	KC-135A FAIRCHILD	0.299	0.611	0.090	0.654	0.094	0.252
	T-38A RANDOLPH	0.783	0.193	0.024	0.657	0.273	0.070
	A-10A MYRTLE BEACH	0.100	0.900	0	1.000	0	0
	A-10A DAVIS-MONTHAN	0.765	0.176	0.059	0.931	0.069	0
MEAN		0.571	0.343	0.086	0.768	0.146	0.086
MEDIAN		0.442	0.524	0.090	0.779	0.146	0.158
MODE		0.654	0.171	0.135	0.672	0.274	0.035
MODAL CLASS LOW		0.526	0.148	0.090	0.559	0.256	0
MODAL CLASS HIGH		0.783	0.193	0.180	0.785	0.293	0.070
RANGE		0.683	0.752	0.180	0.441	0.293	0.317
STANDARD DEVIATION		0.229	0.256	0.061	0.156	0.107	0.116

TABLE F-3 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 51E00 AIR DATA SYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.611	0.192	0.197	0.278	0.270	0.452
	F-15A BITBURG	0.201	0.411	0.388	0.334	0.373	0.293
	B-52G FAIRCHILD	0.471	0.206	0.323	0.846	0.031	0.123
	FB-111A PLATTSBURGH	0.797	0.136	0.067	0.129	0.346	0.525
	C-141A TRAVIS	0.435	0.422	0.143	0.560	0.132	0.308
	KC-135A FAIRCHILD	0.249	0.688	0.063	0.603	0.111	0.286
	T-38A RANDOLPH	0.472	0.471	0.057	0.465	0.240	0.295
	A-10A MYRTLE BEACH	0	1.000	0	0	0	0
	A-10A DAVIS-MONTHAN	0.486	0.404	0.110	0.860	0.140	0
MEAN		0.414	0.436	0.150	0.509	0.205	0.286
MEDIAN		0.399	0.568	0.194	0.430	0.187	0.263
MODE		0.460	0.438	0.127	0.534	0.306	0.297
MODAL CLASS LOW		0.435	0.404	0.057	0.465	0.240	0.286
MODAL CLASS HIGH		0.486	0.471	0.197	0.603	0.373	0.308
RANGE		0.797	0.864	0.388	0.860	0.373	0.525
STANDARD DEVIATION		0.235	0.271	0.130	0.261	0.121	0.166

TABLE F-4 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 51N00 HORIZONTAL SITUATION INDICATOR

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.629	0.073	0.298	0.538	0.252	0.210
	F-15A BITBURG	0.445	0.089	0.466	0.378	0.266	0.356
	B-52G FAIRCHILD	0.740	0.128	0.132	0.996	0.002	0.002
	FB-111A PLATTSBURGH	0.657	0.226	0.117	0.778	0.169	0.053
	C-141A TRAVIS	0.470	0.351	0.179	0.984	0.005	0.011
	KC-135A FAIRCHILD	0.526	0.336	0.138	0.673	0.012	0.315
	T-38A RANDOLPH	0.828	0.157	0.015	0.626	0.300	0.074
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.394	0.445	0.161	0.619	0.189	0.192
MEAN		0.586	0.226	0.188	0.699	0.149	0.152
MEDIAN		0.414	0.222	0.233	0.498	0.133	0.178
MODE		0.460	0.115	0.148	0.658	0.217	0.037
MODAL CLASS LOW		0.394	0.073	0.117	0.538	0.169	0
MODAL CLASS HIGH		0.526	0.157	0.179	0.778	0.266	0.074
RANGE		0.828	0.445	0.466	0.996	0.266	0.356
STANDARD DEVIATION		0.152	0.137	0.137	0.213	0.125	0.137

TABLE F-5 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 52A00 AUTOPILOT

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.378	0.110	0.512	0.209	0.168	0.623
	F-15A BITBURG	0.130	0.181	0.689	0.131	0.369	0.500
	B-52G FAIRCHILD	0.873	0.116	0.011	0.300	0.271	0.429
	FB-111A PLATTSBURGH	0.694	0.095	0.211	0.378	0.326	0.296
	C-141A TRAVIS	0.726	0.207	0.067	0.762	0.216	0.022
	KC-135A FAIRCHILD	0.755	0.117	0.128	0.536	0.296	0.168
	T-38A RANDOLPH	0.517	0.384	0.099	0.461	0.277	0.262
	A-10A MYRTLE BEACH	0.529	0.471	0	0.300	0	0.700
	A-10A DAVIS-MONTHAN	0.559	0.184	0.257	0.112	0.288	0.600
MEAN		0.573	0.208	0.219	0.354	0.246	0.400
MEDIAN		0.502	0.283	0.345	0.437	0.185	0.361
MODE		0.695	0.151	0.098	0.339	0.299	0.565
MODAL CLASS LOW		0.517	0.095	0.067	0.300	0.271	0.429
MODAL CLASS HIGH		0.873	0.207	0.128	0.378	0.326	0.700
RANGE		0.743	0.376	0.689	0.650	0.369	0.678
STANDARD DEVIATION		0.224	0.133	0.236	0.208	0.109	0.228

TABLE F-6 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 63A00 UHF COMMUNICATION SET

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.416	0.267	0.317	0.221	0.073	0.706
	F-15A BITBURG	0.352	0.375	0.273	0.153	0.291	0.556
	B-52G FAIRCHILD	0.729	0.178	0.092	0.097	0.108	0.795
	FB-111A PLATTSBURGH	0.470	0.494	0.036	0.109	0.074	0.817
	C-141A TRAVIS	0.492	0.488	0.020	0.037	0.016	0.947
	KC-135A FAIRCHILD	0.662	0.229	0.109	0.140	0.073	0.787
	T-38A RANDOLPH	0.718	0.248	0.034	0.126	0.083	0.791
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.396	0.464	0.140	0.459	0.243	0.298
MEAN		0.529	0.343	0.128	0.168	0.120	0.712
MEDIAN		0.365	0.247	0.159	0.229	0.145	0.474
MODE		0.422	0.222	0.116	0.125	0.078	0.802
MODAL CLASS LOW		0.352	0.178	0.092	0.097	0.073	0.787
MODAL CLASS HIGH		0.492	0.267	0.140	0.153	0.083	0.817
RANGE		0.729	0.494	0.317	0.459	0.291	0.947
STANDARD DEVIATION		0.151	0.128	0.112	0.129	0.095	0.200

TABLE F-7 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 65A00 IFF TRANSPONDER SET

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.242	0.070	0.688	0.326	0.046	0.628
	F-15A BITBURG	0.115	0.657	0.228	0.068	0.252	0.680
	B-52G FAIRCHILD	0.679	0.068	0.253	0.064	0.422	0.514
	FB-111A PLATTSBURGH	0.696	0.210	0.094	0.069	0.237	0.694
	C-141A TRAVIS	0.380	0.458	0.162	0.026	0.050	0.924
	KC-135A FAIRCHILD	0.525	0.143	0.332	0.049	0.312	0.639
	T-38A RANDOLPH	0.663	0.174	0.163	0.092	0.105	0.803
	A-10A MYRTLE BEACH	1.000	0	0	0	0.500	0.500
	A-10A DAVIS-MONTHAN	0.562	0.188	0.250	0.250	0.167	0.583
MEAN		0.540	0.219	0.241	0.105	0.232	0.663
MEDIAN		0.558	0.328	0.334	0.163	0.273	0.712
MODE		0.629	0.177	0.208	0.046	0.179	0.661
MODAL CLASS LOW		0.562	0.143	0.162	0	0.046	0.628
MODAL CLASS HIGH		0.696	0.210	0.253	0.092	0.312	0.694
RANGE		0.885	0.657	0.688	0.326	0.454	0.424
STANDARD DEVIATION		0.266	0.209	0.194	0.109	0.159	0.135

TABLE F-8 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 71A00 INERTIAL NAVIGATION SET

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.415	0.044	0.541	0.731	0.079	0.190
	F-15A BITBURG	0.274	0.040	0.686	0.332	0.372	0.296
	B-52G FAIRCHILD	-	-	-	-	-	-
	FB-111A PLATTSBURGH	0.543	0.092	0.365	0.210	0.232	0.558
	C-141A TRAVIS	0.329	0.300	0.371	0.100	0	0.900
	KC-135A FAIRCHILD	-	-	-	-	-	-
	T-38A RANDOLPH	0	0	0	0	0	0
	A-10A MYRTLE BEACH	-	-	-	-	-	-
	A-10A DAVIS-MONTHAN	-	-	-	-	-	-
MEAN		0.390	0.119	0.491	0.343	0.171	0.486
MEDIAN		0.272	0.150	0.343	0.366	0.186	0.450
MODE		0.345	0.046	0.368	0.166	0.302	0.243
MODAL CLASS LOW		0.274	0	0.365	0	0.232	0.190
MODAL CLASS HIGH		0.415	0.092	0.371	0.332	0.372	0.296
RANGE		0.543	0.300	0.686	0.731	0.372	0.900
STANDARD DEVIATION		0.117	0.123	0.154	0.275	0 165	0.316

TABLE F-9 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 71C00 INSTRUMENT LANDING SET

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.423	0.071	0.506	0.125	0.125	0.750
	F-15A BITBURG	0.100	0.600	0.300	0.167	0.333	0.500
	B-52G FAIRCHILD	0.910	0.020	0.070	0.090	0.090	0.820
	FB-111A PLATTSBURGH	0.193	0.109	0.698	0.083	0.172	0.745
	C-141A TRAVIS	0.479	0.498	0.023	0	0	1.000
	KC-135A FAIRCHILD	0.425	0.575	0	0	0.369	0.631
	T-38A RANDOLPH	0.417	0.295	0.288	0.015	0.015	0.970
	A-10A MYRTLE BEACH	-	-	-	-	-	-
	A-10A DAVIS-MONTHAN	-	-	-	-	-	-
MEAN		0.421	0.310	0.269	0.069	0.158	0.773
MEDIAN		0.505	0.310	0.349	0.084	0.185	0.750
MODE		0.448	0.549	0.294	0.125	0.131	0.782
MODAL CLASS LOW		0.417	0.498	0.288	0.083	0.090	0.745
MODAL CLASS HIGH		0.479	0.600	0.300	0.167	0.172	0.820
RANGE		0.810	0.580	0.698	0.167	0.369	0.500
STANDARD DEVIATION		0.257	0.249	0.263	0.066	0.145	0.177

TABLE F-10 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 71D00 TACAN SET

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.280	0.248	0.472	0.210	0.113	0.677
	F-15A BITBURG	0.526	0.115	0.359	0.119	0.345	0.536
	B-52G FAIRCHILD	0.840	0.079	0.081	0.032	0.285	0.683
	FB-111A PLATTSBURGH	0.582	0.213	0.205	0.223	0.403	0.374
	C-141A TRAVIS	0.593	0.319	0.088	0.052	0.020	0.928
	KC-135A FAIRCHILD	0.789	0.164	0.047	0.056	0.206	0.737
	T-38A RANDOLPH	0.747	0.186	0.067	0.037	0.012	0.951
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.846	0.064	0.090	0.730	0.216	0.054
MEAN		0.650	0.174	0.176	0.182	0.200	0.618
MEDIAN		0.423	0.160	0.236	0.365	0.202	0.476
MODE		0.686	0.156	0.069	0.044	0.304	0.707
MODAL CLASS LOW		0.526	0.064	0.047	0.032	0.206	0.677
MODAL CLASS HIGH		0.846	0.248	0.090	0.056	0.403	0.737
RANGE		0.846	0.319	0.472	0.730	0.403	0.951
STANDARD DEVIATION		0.194	0.087	0.158	0.234	0.144	0.296

TABLE F-11 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 71F00 ATTITUDE-HEADING REFERENCE SET

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.484	0.032	0.484	0.206	0.526	0.268
	F-15A BITBURG	0.498	0.042	0.460	0.380	0.207	0.413
	B-52G FAIRCHILD	0.716	0.251	0.033	0.992	0	0.008
	FB-111A PLATTSBURGH	0.729	0.066	0.205	0.353	0.278	0.369
	C-141A TRAVIS	0.324	0.382	0.294	1.000	0	0
	KC-135A FAIRCHILD	0.701	0.299	0	1.000	0	0
	T-38A RANDOLPH	0.843	0.137	0.020	0.702	0.260	0.038
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.907	0.045	0.048	0.652	0.273	0.075
MEAN		0.650	0.157	0.193	0.661	0.193	0.146
MEDIAN		0.454	0.191	0.242	0.500	0.263	0.206
MODE		0.715	0.049	0.024	0.996	0.242	0.038
MODAL CLASS LOW		0.701	0.032	0	0.992	0.207	0
MODAL CLASS HIGH		0.729	0.066	0.048	1.000	0.278	0.075
RANGE		0.907	0.382	0.484	1.000	0.526	0.413
STANDARD DEVIATION		0.198	0.136	0.200	0.321	0.186	0.175

TABLE F-12 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 74F00 RADAR SET

		LCOM TASK CODE: ON EQUIPMENT R (REMOVE)	ON EQUIPMENT M (FIX)	ON EQUIPMENT H (CHECK OK)	OFF EQUIPMENT N (SENT ON)	OFF EQUIPMENT K (CHECK OK)	OFF EQUIPMENT W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.319	0.095	0.586	0.405	0.110	0.485
	F-15A BITBURG	0.219	0.082	0.699	0.288	0.248	0.464
	B-52G FAIRCHILD	0.459	0.278	0.263	0.465	0.082	0.453
	FB-111A PLATTSBURGH	0.308	0.154	0.538	0.266	0.124	0.610
	C-141A TRAVIS	0.368	0.497	0.135	0.072	0.060	0.868
	KC-135A FAIRCHILD	0.801	0.172	0.027	0.044	0.167	0.789
	T-38A RANDOLPH	-	-	-	-	-	-
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	1.000	0	0	0	0	1.000
MEAN		0.496	0.183	0.321	0.220	0.113	0.667
MEDIAN		0.500	0.249	0.350	0.233	0.124	0.500
MODE		0.338	0.127	0.562	0.277	0.164	0.469
MODAL CLASS LOW		0.308	0.082	0.538	0.266	0.060	0.453
MODAL CLASS HIGH		0.368	0.172	0.586	0.288	0.167	0.485
RANGE		1.000	0.497	0.699	0.465	0.248	1.000
STANDARD DEVIATION		0.291	0.163	0.285	0.184	0.079	0.220

TABLE F-13 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 11A01 RADOME ASSEMBLY

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.105	0.881	0.014	0.398	0	0.602
	F-15A BITBURG	0.025	0.940	0.035	0.071	0	0.929
	B-52G FAIRCHILD	0.152	0.794	0.054	0	0	1.000
	FB-111A PLATTSBURGH	0.223	0.777	0	0	0	1.000
	C-141A TRAVIS	0.249	0.743	0.008	0	0	1.000
	KC-135A FAIRCHILD	0.085	0.915	0	0	0	1.000
	T-38A RANDOLPH	0.189	0.807	0.004	0.003	0	0.997
	A-10A MYRTLE BEACH	-	-	-	-	-	-
	A-10A DAVIS-MONTHAN	-	-	-	-	-	-
MEAN		0.147	0.837	0.016	0.067	0	0.933
MEDIAN		0.137	0.842	0.027	0.199	0	0.801
MODE		0.167	0.775	0.018	0.035	0	0.999
MODAL CLASS LOW		0.085	0.743	0	0	0	0.997
MODAL CLASS HIGH		0.249	0.807	0.035	0.071	0	1.000
RANGE		0.224	0.197	0.054	0.398	0	0.398
STANDARD DEVIATION		0.080	0.075	0.021	0.148	0	0.148

TABLE F-14 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 11A02 WINDSHIELD

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.044	0.939	0.017	0.324	0	0.676
	F-15A BITBURG	0.021	0.953	0.026	0.076	0	0.924
	B-52G FAIRCHILD	0.148	0.810	0.042	0	0	1.000
	FB-111A PLATTSBURGH	0.161	0.797	0.042	0.369	0	0.631
	C-141A TRAVIS	0.185	0.710	0.105	0	0	1.000
	KC-135A FAIRCHILD	0.160	0.734	0.106	0	0	1.000
	T-38A RANDOLPH	0.333	0.667	0	0.350	0	0.650
	A-10A MYRTLE BEACH	0.200	0.800	0	0	0	1.000
	A-10A DAVIS-MONTHAN	0.027	0.973	0	0	0	1.000
MEAN		0.142	0.820	0.038	0.124	0	0.876
MEDIAN		0.177	0.820	0.053	0.185	0	0.815
MODE		0.174	0.804	0.021	0.038	0	0.962
MODAL CLASS LOW		0.148	0.797	0	0	0	0.924
MODAL CLASS HIGH		0.200	0.810	0.042	0.076	0	1.000
RANGE		0.312	0.316	0.106	0.369	0	0.369
STANDARD DEVIATION		0.100	0.111	0.042	0.170	0	0.170

TABLE F-15 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 11K00 WINGS

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.054	0.941	0.005	0	0	1.000
	F-15A BITBURG	0.025	0.950	0.025	0.250	0	0.750
	B-52G FAIRCHILD	0.015	0.943	0.042	0	0	1.00
	FB-111A PLATTSBURGH	0.159	0.834	0.007	0.080	0	0.920
	C-141A TRAVIS	0.126	0.868	0.006	0	0.338	0.662
	KC-135A FAIRCHILD	0.012	0.969	0.019	0	0	1.000
	T-38A RANDOLPH	0.165	0.835	0	0.176	0.006	0.818
	A-10A MYRTLE BEACH	0.400	0.600	0	0	0	1.000
	A-10A DAVIS-MONTHAN	0.198	0.791	0.011	0	0	1.000
MEAN		0.128	0.859	0.013	0.056	0.038	0.906
MEDIAN		0.194	0.785	0.021	0.125	0.169	0.831
MODE		0.162	0.830	0.021	0.040	0.003	0.960
MODAL CLASS LOW		0.126	0.791	0	0	0	0.920
MODAL CLASS HIGH		0.198	0.868	0.042	0.080	0.006	1.000
RANGE		0.388	0.369	0.042	0.250	0.338	0.338
STANDARD DEVIATION		0.124	0.116	0.014	0.094	0.112	0.130

TABLE F-16 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 12B00 COCKPIT FURNISHINGS

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.333	0.667	0	0	0	0
	F-15A BITBURG	0	1.000	0	0	0	0
	B-52G FAIRCHILD	0.258	0.718	0.024	0.667	0	0.333
	FB-111A PLATTSBURGH	0.175	0.815	0.010	0.586	0	0.414
	C-141A TRAVIS	0.067	0.933	0	0.007	0.041	0.952
	KC-135A FAIRCHILD	0.197	0.803	0	0	0	1.000
	T-38A RANDOLPH	0.352	0.641	0.007	0.988	0.005	0.007
	A-10A MYRTLE BEACH	0	1.000	0	0	0	0
	A-10A DAVIS-MONTHAN	0	0.400	0.600	0	0	0
MEAN		0.154	0.775	0.071	0.450	0.009	0.541
MEDIAN		0.176	0.700	0.300	0.494	0.020	0.500
MODE		0.216	0.680	0.012	0.003	0.002	0.003
MODAL CLASS LOW		0.175	0.641	0	0	0	0
MODAL CLASS HIGH		0.258	0.718	0.024	0.007	0.005	0.007
RANGE		0.352	0.600	0.600	0.988	0.041	1.000
STANDARD DEVIATION		0.143	0.194	0.198	0.434	0.018	0.425

TABLE F-17 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 13A00 MAIN LANDING GEAR

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	1.000	0	0	1.000	0	0
	F-15A BITBURG	0.996	0.004	0	0.242	0.733	0.025
	B-52G FAIRCHILD	0.323	0.036	0.641	0.113	0.887	0
	FB-111A PLATTSBURGH	0.347	0.031	0.622	0	1.000	0
	C-141A TRAVIS	0.403	0.002	0.595	0.458	0.486	0.056
	KC-135A FAIRCHILD	0.351	0.054	0.595	0.092	0.818	0.090
	T-38A RANDOLPH	0.999	0.001	0	0.435	0.006	0.559
	A-10A MYRTLE BEACH	1.000	0	0	0	1.000	0
	A-10A DAVIS-MONTHAN	1.000	0	0	0.516	0	0.484
MEAN		0.713	0.014	0.273	0.317	0.548	0.135
MEDIAN		0.662	0.027	0.320	0.500	0.500	0.280
MODE		0.998	0.002	0	0.475	0.810	0.045
MODAL CLASS LOW		0.996	0	0	0.435	0.733	0
MODAL CLASS HIGH		1.000	0.004	0	0.516	0.887	0.090
RANGE		0.677	0.054	0.641	1.000	1.000	0.559
STANDARD DEVIATION		0.340	0.021	0.324	0.324	0.437	0.222

TABLE F-18 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 13D00 BRAKE SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.935	0.061	0.003	0.417	0.003	0.580
	F-15A BITBURG	0.699	0.278	0.023	0.759	0.048	0.193
	B-52G FAIRCHILD	0.207	0.397	0.396	0.003	0.397	0.600
	FB-111A PLATTSBURGH	0.235	0.250	0.515	0.882	0.051	0.067
	C-141A TRAVIS	0.270	0.682	0.048	0.308	0.168	0.524
	KC-135A FAIRCHILD	0.191	0.243	0.566	0.019	0.496	0.485
	T-38A RANDOLPH	0.524	0.472	0.004	0.013	0.337	0.650
	A-10A MYRTLE BEACH	0	1.000	0	0	0	0
	A-10A DAVIS-MONTHAN	0.300	0.433	0.267	1.000	0	0
MEAN		0.373	0.424	0.203	0.425	0.188	0.387
MEDIAN		0.467	0.531	0.283	0.500	0.248	0.325
MODE		0.245	0.260	0.024	0.010	0.025	0.568
MODAL CLASS LOW		0.191	0.243	0	0	0	0.485
MODAL CLASS HIGH		0.300	0.278	0.048	0.019	0.051	0.650
RANGE		0.935	0.938	0.566	1.000	0.496	0.650
STANDARD DEVIATION		0.291	0.278	0.237	0.410	0.196	0.259

TABLE F-19 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 14C00 STABILATOR SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.265	0.575	0.160	0.689	0	0.311
	F-15A BITBURG	0.202	0.708	0.090	0.917	0	0.083
	B-52G FAIRCHILD	0.046	0.647	0.307	1.000	0	0
	FB-111A PLATTSBURGH	0.273	0.327	0.400	0.763	0.017	0.220
	C-141A TRAVIS	0.136	0.861	0.003	0	0.792	0.208
	KC-135A FAIRCHILD	0	0.989	0.011	0	0	1.000
	T-38A RANDOLPH	0.497	0.384	0.119	0.026	0.121	0.853
	A-10A MYRTLE BEACH	0	1.000	0	0	0	0
	A-10A DAVIS-MONTHAN	0.045	0.955	0	0	0	1.000
MEAN		0.163	0.716	0.121	0.424	0.116	0.459
MEDIAN		0.248	0.664	0.200	0.500	0.396	0.500
MODE		0.205	0.977	0.080	0.013	0.009	0.260
MODAL CLASS LOW		0.136	0.955	0	0	0	0.208
MODAL CLASS HIGH		0.273	1.000	0.160	0.026	0.017	0.311
RANGE		0.497	0.673	0.400	1.000	0.792	1.000
STANDARD DEVIATION		0.165	0.255	0.146	0.456	0.276	0.420

TABLE F-20 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 14D00 RUDDER SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.231	0.628	0.141	0.554	0	0.446
	F-15A BITBURG	0.250	0.580	0.170	0.878	0	0.122
	B-52G FAIRCHILD	0	0	1.000	0	0	0
	FB-111A PLATTSBURGH	0.182	0.460	0.358	0.352	0	0.648
	C-141A TRAVIS	0.190	0.682	0.128	0.119	0.017	0.864
	KC-135A FAIRCHILD	0.203	0.509	0.288	0.179	0.385	0.436
	T-38A RANDOLPH	0.515	0.438	0.047	0.047	0.568	0.385
	A-10A MYRTLE BEACH	0	1.000	0	0	0	0
	A-10A DAVIS-MONTHAN	0.242	0.511	0.247	0.020	0.140	0.840
MEAN		0.201	0.534	0.265	0.307	0.159	0.534
MEDIAN		0.258	0.500	0.500	0.439	0.284	0.432
MODE		0.216	0.560	0.149	0.024	0.009	0.415
MODAL CLASS LOW		0.182	0.438	0.128	0	0	0.385
MODAL CLASS HIGH		0.250	0.682	0.170	0.047	0.017	0.446
RANGE		0.515	1.000	1.000	0.878	0.568	0.864
STANDARD DEVIATION		0.152	0.262	0.298	0.314	0.229	0.266

TABLE F-21 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 14H00 FLAP SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.375	0.284	0.341	1.000	0	0
	F-15A BITBURG	0.043	0.854	0.103	1.000	0	0
	B-52G FAIRCHILD	0.173	0.644	0.183	0.162	0	0.838
	FB-111A PLATTSBURGH	0.139	0.515	0.346	0.039	0.005	0.956
	C-141A TRAVIS	0.228	0.513	0.259	0.648	0.026	0.326
	KC-135A FAIRCHILD	0.037	0.866	0.097	0.052	0.052	0.896
	T-38A RANDOLPH	0.286	0.568	0.146	0.170	0.018	0.812
	A-10A MYRTLE BEACH	0	0.500	0.500	0	0	0
	A-10A DAVIS-MONTHAN	0.102	0.837	0.061	0.222	0	0.778
MEAN		0.154	0.620	0.226	0.412	0.013	0.575
MEDIAN		0.188	0.575	0.280	0.500	0.026	0.478
MODE		0.194	0.534	0.122	0.192	0.013	0.808
MODAL CLASS LOW		0.102	0.500	0.061	0.162	0	0.778
MODAL CLASS HIGH		0.286	0.568	0.183	0.222	0.026	0.838
RANGE		0.375	0.582	0.439	1.000	0.052	0.956
STANDARD DEVIATION		0.125	0.199	0.146	0.409	0.019	0.403

TABLE F-22 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 41A00 ENVIRONMENTAL CONTROL SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.552	0.379	0.069	0.500	0.281	0.219
	F-15A BITBURG	0.429	0.262	0.309	0.880	0.111	0
	B-52G FAIRCHILD	0.136	0.766	0.098	0	0	0
	FB-111A PLATTSBURGH	0.552	0.415	0.033	0.658	0.031	0.311
	C-141A TRAVIS	0.228	0.706	0.066	0	0	1.000
	KC-135A FAIRCHILD	0.471	0.309	0.220	0.591	0	0.409
	T-38A RANDOLPH	0.494	0.470	0.036	0.192	0.011	0.797
	A-10A MYRTLE BEACH	1.000	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.633	0.367	0	0	0	1.000
MEAN		0.499	0.408	0.093	0.404	0.062	0.534
MEDIAN		0.568	0.383	0.155	0.444	0.140	0.500
MODE		0.490	0.366	0.049	0.579	0.015	0.314
MODAL CLASS LOW		0.429	0.262	0	0.500	0	0.219
MODAL CLASS HIGH		0.552	0.470	0.098	0.658	0.031	0.409
RANGE		0.864	0.766	0.309	0.889	0.281	1.000
STANDARD DEVIATION		0.246	0.229	0.105	0.345	0.104	0.399

TABLE F-23 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 42A00 AIRCRAFT POWER GENERATING SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.461	0.429	0.110	0.298	0.595	0.107
	F-15A BITBURG	0.496	0.440	0.064	0.566	0.181	0.253
	B-52G FAIRCHILD	0.158	0.839	0.003	0.660	0.040	0.300
	FB-111A PLATTSBURGH	0.344	0.651	0.005	0.474	0.026	0.500
	C-141A TRAVIS	0.372	0.564	0.064	0.230	0.311	0.459
	KC-135A FAIRCHILD	0.263	0.704	0.033	0.522	0.014	0.464
	T-38A RANDOLPH	0.263	0.720	0.017	0.045	0.182	0.773
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.769	0.203	0.028	0.769	0.192	0.039
MEAN		0.391	0.569	0.040	0.445	0.193	0.362
MEDIAN		0.385	0.420	0.055	0.385	0.298	0.386
MODE		0.380	0.575	0.032	0.520	0.186	0.480
MODAL CLASS LOW		0.263	0.429	0	0.474	0.181	0.459
MODAL CLASS HIGH		0.496	0.720	0.064	0.566	0.192	0.500
RANGE		0.769	0.839	0.110	0.769	0.595	0.773
STANDARD DEVIATION		0.188	0.204	0.037	0.239	0.192	0.237

TABLE F-24 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 44A01 NAVIGATION/ANTI-COLLISION LIGHTS

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.268	0.725	0.007	0.381	0.073	0.546
	F-15A BITBURG	0.510	0.490	0	0.100	0	0.900
	B-52G FAIRCHILD	0.382	0.618	0	0.111	0	0.889
	FB-111A PLATTSBURGH	0.580	0.418	0.002	0.317	0.027	0.656
	C-141A TRAVIS	0.320	0.653	0.027	0.003	0.044	0.953
	KC-135A FAIRCHILD	0	0	0	0	0	0
	T-38A RANDOLPH	0.363	0.599	0.038	0.132	0.026	0.842
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.657	0.343	0	0	0	0
MEAN		0.440	0.549	0.011	0.174	0.028	0.798
MEDIAN		0.329	0.363	0.019	0.190	0.036	0.477
MODE		0.325	0.626	0.019	0.116	0.036	0.898
MODAL CLASS LOW		0.268	0.599	0	0.100	0	0.842
MODAL CLASS HIGH		0.382	0.653	0.038	0.132	0.073	0.953
RANGE		0.657	0.725	0.038	0.381	0.073	0.953
STANDARD DEVIATION		0.144	0.137	0.016	0.144	0.028	0.160

TABLE F-25 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 44A02 LANDING/TAXI LIGHTS

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.331	0.663	0.006	0.400	0.080	0.520
	F-15A BITBURG	0.452	0.548	0	0.105	0	0.895
	B-52G FAIRCHILD	0.094	0.906	0	0	0	1.000
	FB-111A PLATTSBURGH	0.619	0.379	0.002	0.339	0.034	0.627
	C-141A TRAVIS	0.396	0.574	0.030	0.004	0.048	0.948
	KC-135A FAIRCHILD	0.164	0.836	0	0	0	0
	T-38A RANDOLPH	0.347	0.628	0.025	0.147	0.030	0.823
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.514	0.486	0	1.000	0	0
MEAN		0.365	0.628	0.007	0.285	0.027	0.688
MEDIAN		0.310	0.453	0.015	0.500	0.040	0.500
MODE		0.364	0.575	0.003	0.126	0.024	0.912
MODAL CLASS LOW		0.311	0.486	0	0.105	0	0.823
MODAL CLASS HIGH		0.396	0.663	0.006	0.147	0.048	1.000
RANGE		0.619	0.906	0.030	1.000	0.080	1.000
STANDARD DEVIATION		0.173	0.175	0.012	0.351	0.030	0.349

TABLE F-26 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 45A00 HYDRAULIC POWER CONTROL SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.485	0.425	0.090	0.739	0	0.261
	F-15A BITBURG	0	0.961	0.039	0	0	0
	B-52G FAIRCHILD	0.216	0.547	0.237	0.384	0.062	0.554
	FB-111A PLATTSBURGH	0.149	0.607	0.244	0.645	0.022	0.333
	C-141A TRAVIS	0.233	0.726	0.041	0.574	0.166	0.260
	KC-135A FAIRCHILD	0.103	0.713	0.184	0.116	0.801	0.083
	T-38A RANDOLPH	0.469	0.427	0.104	0.264	0.711	0.025
	A-10A MYRTLE BEACH	0	0	0	0	0	0
	A-10A DAVIS-MONTHAN	0.404	0.385	0.211	1.000	0	0
MEAN		0.257	0.599	0.144	0.532	0.252	0.216
MEDIAN		0.242	0.480	0.122	0.500	0.400	0.277
MODE		0.168	0.406	0.214	0.656	0.031	0.042
MODAL CLASS LOW		0.103	0.385	0.184	0.574	0	0
MODAL CLASS HIGH		0.233	0.427	0.244	0.739	0.062	0.083
RANGE		0.485	0.961	0.244	1.000	0.801	0.554
STANDARD DEVIATION		0.178	0.196	0.085	0.301	0.350	0.197

TABLE F-27 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 46A00 INTERNAL FUEL SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.431	0.403	0.166	0.952	0	0.048
	F-15A BITBURG	0.228	0.435	0.337	0.678	0	0.322
	B-52G FAIRCHILD	0.177	0.591	0.232	1.000	0	0
	FB-111A PLATTSBURGH	0.011	0.978	0.011	0.500	0	0.500
	C-141A TRAVIS	0.018	0.926	0.056	0	0	1.000
	KC-135A FAIRCHILD	0.248	0.615	0.137	1.000	0	0
	T-38A RANDOLPH	0.400	0.520	0.080	0.648	0.352	0
	A-10A MYRTLE BEACH	0	1.000	0	0	0	0
	A-10A DAVIS-MONTHAN	0.173	0.482	0.345	0	0	0
MEAN		0.187	0.661	0.152	0.683	0.050	0.267
MEDIAN		0.207	0.702	0.173	0.500	0.171	0.500
MODE		0.210	0.509	0.083	0.976	0	0.024
MODAL CLASS LOW		0.173	0.403	0	0.952	0	0
MODAL CLASS HIGH		0.248	0.615	0.166	1.000	0	0.048
RANGE		0.413	0.597	0.345	1.000	0.351	1.000
STANDARD DEVIATION		0.160	0.240	0.130	0.359	0.133	0.378

TABLE F-28 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 47A01 OXYGEN REGULATOR

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.800	0.200	0	0.680	0.053	0.267
	F-15A BITBURG	0.823	0.098	0.079	0.845	0.020	0.135
	B-52G FAIRCHILD	0.601	0.171	0.228	0.926	0.037	0.037
	FB-111A PLATTSBURGH	0.387	0.595	0.018	1.000	0	0
	C-141A TRAVIS	0.459	0.441	0.100	0.902	0.058	0.040
	KC-135A FAIRCHILD	0.603	0.277	0.120	0.971	0.029	0
	T-38A RANDOLPH	0.790	0.210	0	0.985	0.015	0
	A-10A MYRTLE BEACH	1.000	0	0	1.000	0	0
	A-10A DAVIS-MONTHAN	0.439	0.329	0.232	1.000	0	0
MEAN		0.656	0.258	0.086	0.923	0.024	0.053
MEDIAN		0.694	0.298	0.116	0.840	0.029	0.134
MODE		0.806	0.190	0.100	0.951	0.019	0.020
MODAL CLASS LOW		0.790	0.171	0.079	0.902	0	0
MODAL CLASS HIGH		0.823	0.210	0.120	1.000	0.037	0.040
RANGE		0.613	0.595	0.232	0.320	0.058	0.267
STANDARD DEVIATION		0.209	0.180	0.093	0.106	0.022	0.091

TABLE F-29 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 47A02 LOX CONVERTER

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.824	0.176	0	0.701	0.050	0.249
	F-15A BITBURG	0.842	0.073	0.085	0.888	0.023	0.089
	B-52G FAIRCHILD	0.431	0.299	0.270	0.888	0	0.112
	FB-111A PLATTSBURGH	0.347	0.635	0.018	1.000	0	0
	C-141A TRAVIS	0.445	0.466	0.089	0.885	0.070	0.045
	KC-135A FAIRCHILD	0.267	0.533	0.200	0.833	0	0.167
	T-38A RANDOLPH	0.820	0.180	0	0.985	0.015	0
	A-10A MYRTLE BEACH	0	0	0	0	1.000	0
	A-10A DAVIS-MONTHAN	0.385	0.615	0	0	0	0
MEAN		0.545	0.372	0.083	0.772	0.145	0.083
MEDIAN		0.421	0.318	0.135	0.500	0.500	0.125
MODE		0.356	0.550	0.045	0.860	0.035	0.078
MODAL CLASS LOW		0.267	0.466	0	0.833	0	0.045
MODAL CLASS HIGH		0.445	0.635	0.089	0.888	0.070	0.112
RANGE		0.842	0.635	0.270	1.000	1.000	0.249
STANDARD DEVIATION		0.241	0.218	0.103	0.326	0.347	0.091

TABLE F-30 - MAINTENANCE TASK SELECTION PROBABILITY DISTRIBUTIONS DATA AND STATISTICS

SUBSYSTEM: 49A00 OVERHEAT/FIRE DETECTION AND EXTINGUISHING SUBSYSTEM

		LCOM TASK CODE					
		ON EQUIPMENT			OFF EQUIPMENT		
		R (REMOVE)	M (FIX)	H (CHECK OK)	N (SENT ON)	K (CHECK OK)	W (FIX)
WEIGHTED AVERAGE TASK PROBABILITIES	F-15A LUKE	0.176	0.795	0.029	0.200	0.800	0
	F-15A BITBURG	0.500	0.500	0	0	0	0
	B-52G FAIRCHILD	0.150	0.700	0.150	1.000	0	0
	FB-111A PLATTSBURGH	0.620	0.346	0.034	0	0	0
	C-141A TRAVIS	0.248	0.685	0.067	0.389	0	0.611
	KC-135A FAIRCHILD	0.293	0.707	0	0	0	1.000
	T-38A RANDOLPH	0.515	0.310	0.175	0.902	0.098	0
	A-10A MYRTLE BEACH	0.534	0.421	0.045	0.808	0.192	0
	A-10A DAVIS-MONTHAN	0.003	0.994	0.003	0	0	0
MEAN		0.338	0.606	0.056	0.550	0.182	0.268
MEDIAN		0.312	0.652	0.088	0.500	0.400	0.500
MODE		0.222	0.696	0.048	None	0.049	0
MODAL CLASS LOW		0.150	0.685	0.029	None	0	0
MODAL CLASS HIGH		0.293	0.707	0.067	None	0.098	0
RANGE		0.617	0.684	0.175	1.000	0.800	1.000
STANDARD DEVIATION		0.212	0.227	0.065	0.411	0.313	0.434

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